IBM System i5 models now feature advanced POWER5 processors

Overview
New System i5 models feature advanced POWER5™ processors, granularity improvements, and other enhancements.

All System i5 models come with faster POWER5 processors at 1.9GHz on models 520, 550, and 595, and 2.2GHz on the model 570. They deliver improved scalability and higher CPW rating.

Overall System i5 hardware product structure is simplified. For example, the model 570 now combines the previous 9/12-way and 13/16-way options into a more flexible 8/16-way option with more capacity on demand. Similarly, the model 520 now has more flexibility with Capacity on Demand for a 1/2-way processor and an optional Accelerator for System i5 for better performance on most Value Editions.

Additional enhancements to the System i5 models include:

• New and improved editions:
  - New edition features that match new advanced POWER5 processors
  - Refined Enterprise Edition content based on customer feedback
  - High Availability Edition for the model 550
  - High Availability and Capacity BackUp Editions for the model 595
• New entry disk controllers with refreshed technology and new RAID-6 disk protection
• Increased I/O maximums for the model 595
• Significantly increased IOP-less configuration capability
• New and improved IOAs and controllers

At a glance
Extending System i5 power and flexibility in an on demand world

• Advanced POWER5 processors for all System i5 models
• Capacity on Demand for the model 520
• New and improved edition offerings
• Increased I/O maximums for the model 595
• IOP-less capability with V5R4
• New VXA-320 tape drive
• New IOAs and controllers

IBM System i5 models — geared for the constantly changing requirements of your On Demand Business

For ordering, contact:
Your IBM representative, an IBM Business Partner, or the Americas Call Centers at 800-IBM-CALL

Reference: AE001

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
System i5 models offer the flexibility to deploy the applications that your business requires. In addition, these models feature Capacity on Demand options and per processor granularity for i5/OS licensing, enterprise enablement, and software maintenance. With this flexible structure, you can efficiently allocate resource for your applications, regardless of the operating environment.

The following tables show the new advanced POWER5 processors that are added to the System i5 offerings.

### New advanced POWER5 processor summaries

#### System i5 520 summary

<table>
<thead>
<tr>
<th>1.9GHz processor</th>
<th>8325x1</th>
<th>8327x1</th>
<th>8330x1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor CPW</td>
<td>600/3,100</td>
<td>1,200/2800/3800</td>
<td>3,800/7,100</td>
</tr>
<tr>
<td>Main storage (minimum)</td>
<td>1GB</td>
<td>1GB</td>
<td>1GB</td>
</tr>
<tr>
<td>(maximum)</td>
<td>32GB</td>
<td>32GB</td>
<td>32GB</td>
</tr>
<tr>
<td>Disk storage (minimum)</td>
<td>35GB</td>
<td>35GB</td>
<td>35GB</td>
</tr>
<tr>
<td>(maximum)</td>
<td>39TB</td>
<td>39TB</td>
<td>39TB</td>
</tr>
<tr>
<td>Disk arms (maximum)</td>
<td>278</td>
<td>278</td>
<td>278</td>
</tr>
<tr>
<td>Internal CD/DVD/tape</td>
<td>14</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Ext tape/optical/CD/DVD</td>
<td>36</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>Physical packaging</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>I/O towers/drawers</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>PCI card slots</td>
<td>1920</td>
<td>1920</td>
<td>1920</td>
</tr>
<tr>
<td>Twinaxial devices</td>
<td>192</td>
<td>192</td>
<td>192</td>
</tr>
<tr>
<td>Communication lines</td>
<td>36</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>LAN lines</td>
<td>8350</td>
<td>8350</td>
<td>8350</td>
</tr>
<tr>
<td>Windows™ integration</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Int xSeries(R) servers</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

**Note:** Capacities shown are for new models shipped from the plant running i5/OS V5R4. They include prerequisite expansion features. Some maximums and combinations of devices may be subject to configuration restrictions.

#### Main storage considerations (model 520)

The 1.9 GHz model 520 uses DDR2 memory DIMMs that are plugged in pairs. Each 520 DDR2 memory feature represents one pair of DIMMs. A model 520 requires a minimum of one and has a maximum of four memory features. The DDR2 memory is not compatible with the DDR1 memory DIMMs that are used with the 1.65 GHz model 520.

#### Model 520 processor summary

<table>
<thead>
<tr>
<th>Processor Edition Feature</th>
<th>CPW</th>
<th>Enterprise Accelerator for System 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>8325x1 Value 7350</td>
<td>600</td>
<td>30 CPW 3100</td>
</tr>
<tr>
<td>8327x1 Value 7352</td>
<td>1200</td>
<td>60 CPW 3800</td>
</tr>
<tr>
<td>8327x1 Standard 7784</td>
<td>3800</td>
<td>0 N/A</td>
</tr>
<tr>
<td>8327x1 Enterprise 7734</td>
<td>1200</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8327x1 Enterprise 7735</td>
<td>2800</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8327x1 Solution 7366</td>
<td>1200</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8327x1 HA 7373</td>
<td>1200</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8327x1 HA 7374</td>
<td>2800</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8327x1 HA 7375</td>
<td>3800</td>
<td>0 N/A</td>
</tr>
<tr>
<td>8330x1 HA Standard 7785</td>
<td>3800</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8330x1 Enterprise 7736</td>
<td>3800</td>
<td>1 N/A</td>
</tr>
<tr>
<td>8330x1 HA 7375</td>
<td>3800</td>
<td>1 N/A</td>
</tr>
</tbody>
</table>

**Note:** Capacities shown are for new models shipped from the plant running i5/OS V5R4. They include prerequisite expansion features. Some maximums and combinations of devices may be subject to configuration restrictions.

#### System i5 550 summary

<table>
<thead>
<tr>
<th>1.9 GHz processor</th>
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</thead>
<tbody>
<tr>
<td>Processor CPW</td>
<td>3,800/</td>
</tr>
<tr>
<td>Main storage (minimum)</td>
<td>26B</td>
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<tr>
<td>(maximum)</td>
<td>64GB</td>
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<tr>
<td>Disk storage (maximum)</td>
<td>77TB</td>
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<tr>
<td>Disk arms (maximum)</td>
<td>548</td>
</tr>
<tr>
<td>Internal CD/DVD/tape</td>
<td>26</td>
</tr>
<tr>
<td>Ext tape/optical/CD/DVD</td>
<td>36</td>
</tr>
<tr>
<td>Physical packaging</td>
<td>12</td>
</tr>
<tr>
<td>I/O towers/drawers</td>
<td>172</td>
</tr>
<tr>
<td>Twinaxial devices</td>
<td>5320</td>
</tr>
<tr>
<td>Communication lines</td>
<td>320</td>
</tr>
<tr>
<td>LAN lines</td>
<td>96</td>
</tr>
<tr>
<td>Integrated xSeries solutions</td>
<td>36</td>
</tr>
<tr>
<td>Int xSeries adapter</td>
<td>16</td>
</tr>
</tbody>
</table>

**Note:** Capacities shown are for new models shipped from the plant running i5/OS V5R4. They include prerequisite expansion features. Some maximums and combinations of devices may be subject to configuration restrictions.

#### Main storage considerations (model 550)

The 1.9 GHz model 550 uses DDR2 memory DIMMs that are plugged in pairs. Each 550 DDR2 memory feature represents one pair of DIMMs. A model 550 requires a minimum of two and has a maximum of eight memory features. The DDR2 memory is not compatible with the DDR1 memory DIMMs that are used with the 1.65 GHz model 550.

#### System i5 570 summary

<table>
<thead>
<tr>
<th>2.2GHz processor</th>
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<tbody>
<tr>
<td>Processor CPW</td>
<td>8,400/</td>
</tr>
<tr>
<td>Main storage (minimum)</td>
<td>4GB</td>
</tr>
<tr>
<td>(maximum)</td>
<td>128GB</td>
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<tr>
<td>Disk storage (maximum)</td>
<td>77TB</td>
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<td>Disk arms (maximum)</td>
<td>546</td>
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<tr>
<td>Internal CD/DVD/tape</td>
<td>25</td>
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<tr>
<td>Ext tape/optical/CD/DVD</td>
<td>48</td>
</tr>
<tr>
<td>Physical packaging</td>
<td>12</td>
</tr>
<tr>
<td>I/O towers/drawers</td>
<td>353</td>
</tr>
<tr>
<td>Twinaxial devices</td>
<td>5360</td>
</tr>
<tr>
<td>Communication lines</td>
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</tr>
<tr>
<td>LAN lines</td>
<td>96</td>
</tr>
<tr>
<td>Integrated xSeries solutions</td>
<td>36</td>
</tr>
<tr>
<td>Int xSeries adapter</td>
<td>16</td>
</tr>
</tbody>
</table>

**Note:** Capacities shown are for new models shipped from the plant running i5/OS V5R4. They include prerequisite expansion features. Some maximums and combinations of devices may be subject to configuration restrictions.
expansion features. Some maximums and combinations of devices may be subject to configuration restrictions.

**Main storage considerations (model 570)**

The 2.2GHz model 570 uses DDR2 memory DIMMs that are plugged in quads. Each 570 DDR2 memory feature represents one quad of DIMMs. Each 2.2GHz 570 processor enclosure requires a minimum of two and has a maximum of four memory features per enclosure. A 2/4-way model 570 has one processor enclosure. The 4/8-way has two enclosures. The 8/16-way has four enclosures. There are two processor cards per enclosure.

The 32GB DDR2 memory feature uses a different speed and cannot be mixed with other memory features on the same processor card. 32GB memory features and non-32GB memory features can be mixed on the same system.

The DDR2 memory for the 2.2GHz model 570 is not compatible with the DDR1 memory used with the 1.65GHz model 570. The 1.65GHz model 570 also uses quad plugging rules.

**System i5 595 summary**

<table>
<thead>
<tr>
<th>Processor CPW</th>
<th>Main storage (minimum)</th>
<th>Disk storage (maximum)</th>
<th>Disk arms (maximum)</th>
<th>Internal CD/DVD/tape</th>
<th>Ext tape/optical/CD/DVD</th>
<th>Physical packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>26,700/50,500</td>
<td>8GB</td>
<td>228TB</td>
<td>1620</td>
<td>60</td>
<td>60</td>
<td>36</td>
</tr>
<tr>
<td>51,000/92,000</td>
<td>16GB</td>
<td>381TB</td>
<td>2700</td>
<td>60</td>
<td>60</td>
<td>72</td>
</tr>
<tr>
<td>92,000/184,000</td>
<td>32GB</td>
<td>381TB</td>
<td>2700</td>
<td>60</td>
<td>60</td>
<td>1008</td>
</tr>
<tr>
<td>13,600/2700</td>
<td>16GB</td>
<td>381TB</td>
<td>2700</td>
<td>60</td>
<td>60</td>
<td>2700</td>
</tr>
<tr>
<td>92,000</td>
<td>16GB</td>
<td>381TB</td>
<td>2700</td>
<td>60</td>
<td>60</td>
<td>1008</td>
</tr>
</tbody>
</table>

**New System i5 520 editions**

The 9406 model 520 is offered with Value, Standard, Enterprise, Solution, and High Availability Editions allowing you to more easily tailor the system to your needs. These five editions provide small and medium-sized enterprises with the basic infrastructure for running core business applications. Business partners can add value to these systems before they are shipped to their clients (for example, by adding features or preinstalling ISV solutions).

For more information on edition content and a definition of the service offering, visit http://www.ibm.com/eserver/iseries/hardware/editions.html

**Value Edition**

The Value Edition is tailored specifically to small enterprises and is available in two offerings:

**Model 520 Value Edition (#7350)**

**Function**

- Support for multiple operating systems (i5/OS, AIX 5L™, and Linux)
- Support for Web modernization (enhanced WebFacing tool support)
- Support for LPAR (up to 10 partitions per processor if using the Accelerator for System i5 feature or two, if not)
- Support for 5250 OLTP (30 CPW)

**Software**

- Licensing for i5/OS (one processor license)
- IBM Director for iSeries™ (5733-DR1)
- IBM Web Enablement (5722-WE2)

Specific ordering and configuration rules associated with Value Editions (for example, minimum required memory features) are documented on the edition’s Web site, and are implemented in the configurator.

**Model 520 Value Edition (#7352)**

**Function**

- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing tool support)
• Support for LPAR (up to 10 partitions per processor if using the Accelerator for System i5 feature or three, if not)
• Support for 5250 OLTP (60 CPW)

Software
• Licensing for i5/OS (one processor license)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

Specific ordering and configuration rules associated with Value Editions (for example, minimum required memory features) are documented on the edition’s Web site and are implemented in the configurator.

Standard Edition
The Standard Edition is designed for clients who require more capacity and flexibility than is available in the model 520 Value Edition. It is ideal for a wide variety of On Demand Business and client/server solutions. 5250 OLTP applications WebFaced using the WebFacing tool of WebSphere® Development Studio can be run with no 5250 CPW requirement.

Model 520 Standard Edition (#7784)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)

Model 520 Standard Edition (#7785)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (one processor license)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

Model 520 Enterprise Edition (#7734/#7735)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to three partitions for #7734, up to seven partitions for #7735)
• Support for 5250 OLTP (one processor authorization)

Software
• Licensing for i5/OS (one processor license)
• Licensing for DB2® Query Manager and SQL Developers Toolkit (one server license)
• Licensing for Performance Tools, including manager option (one server license)
• Licensing for Workplace Services Express (20 per-user licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

Model 520 Enterprise Edition (#7736)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to ten partitions per processor)
• Support for 5250 OLTP (one processor authorization)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (one processor license)
• Licensing for DB2 Query Manager and SQL Developers Toolkit (one server license)
• Licensing for Performance Tools, including manager option (one server license)
• Licensing for Workplace Services Express (20 per-user licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

Enterprise Edition
Order the Enterprise Edition if you need a higher level of flexibility on the model 520. It is ideal for clients with dynamic business environments who need to respond immediately to fluctuating, unpredictable On Demand Business needs.

Enterprise Edition includes a Base Enterprise Enablement feature that provides one processor authorization of 5250 CPW. A processor authorization of 5250 capacity can be spread across more than one partition, or if on a 1/2-way 520, it can be spread across both physical processors.

You can purchase an additional Enterprise Enablement feature if you require additional 5250 CPW capacity.

The Enterprise Edition starts with the Standard Edition content and builds on it. As a total system, it integrates and exploits fundamental hardware and software for On Demand Business. It is shipped with advanced tools for managing mixed workloads and virtual workplace software.

Solution Edition for #0906 (#7366)

This model 520 Solution Edition is used with qualified ISV solution purchases to provide a more attractively priced total solution. For a complete list of qualified ISVs, visit...
Like the model 550 Solution Editions, one enterprise enablement feature is included, providing one processor authorization of 5250 CPW.

The same upgrade paths to larger processors as those on the Enterprise Edition are offered by first converting the Solution Edition to the equivalent CPW-size Enterprise Edition. As with any edition upgrade, the incremental hardware, services, and software content defined in the richer Enterprise Edition are not included in the upgrade price.

**Function**
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to three partitions per processor)
- Support for 5250 OLTP (one processor authorization of 5250 CPW)

**Software**
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)

**High Availability Edition**

If you need 24x7 availability, you can tie multiple System i5 units together with high-function third-party software. Role swapping and production on both primary and secondary servers is typical. In this multiple System i5 environment, the System i5 model for high availability is an attractively priced model 520, 550, 570, or 595 linked with a model 520, 550, 570, 595, 810, 825, 870, or 890 of equal or higher CPW. The model 520 High Availability Edition can be a model 520 1-way or 1/2-way system.

These systems are physically identical to the equivalent CPW-size Enterprise Edition except less content is shipped with the High Availability Edition than with the Enterprise Edition. The same upgrade paths to larger processors as those on the Enterprise Edition are offered by first converting the High Availability Edition to an Enterprise Edition. As with any edition upgrade, the hardware and services and most software content defined in the richer edition are not included in the upgrade price.

To be eligible to buy an IBM System i5 model for High Availability, you must meet specific criteria:

1. The server must be smaller or equal in size (CPW) to the primary server to which it will be linked.
2. The primary server must be a model 520, 550, 570, 595, 810, 825, 870, or 890 and must have a 5250 CPW value greater than zero.
3. The primary and secondary servers must use specific, qualified high-function, high-availability software from qualified ISVs listed on the high-availability Web site at
   
   http://www.ibm.com/eserver/iseries/hardware/is4ha

**High Availability Edition for model 520 (#7375)**

**Function**
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for dynamic LPAR (up to three partitions per processor for #7373, up to seven partitions per processor for #7374)
- Support for 5250 OLTP (one processor authorization)

**Software**
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools — Licensing for DB2 Query Manager and SQL Developers Toolkit (one server license)
- Datacenter Management Tools — Licensing for Performance Tools, including manager option (one server license)

**Services**

One service offering related to High Availability or Disaster Recovery.

**High Availability Edition for model 520 (#7375)**

**Function**
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for dynamic LPAR (up to three partitions per processor for #7373, up to seven partitions per processor for #7374)
- Support for 5250 OLTP (one processor authorization)

**Software**
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools — Licensing for DB2 Query Manager and SQL Developers Toolkit (one server license)
- Datacenter Management Tools — Licensing for Performance Tools, including manager option (one server license)

**Services**

One service offering related to High Availability or Disaster Recovery.
New System i5 520 Edition summary

<table>
<thead>
<tr>
<th>Edition Feature</th>
<th>Server Feature</th>
<th>Processor Edition</th>
<th>Base</th>
<th>Enterprise</th>
<th>Feature Licenses</th>
<th>Enablement Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>7350 Value</td>
<td>0975</td>
<td>8325x1</td>
<td>1</td>
<td>1</td>
<td>30 CPW</td>
<td>P05</td>
</tr>
<tr>
<td>7352 Value</td>
<td>0975</td>
<td>8327x1</td>
<td>1</td>
<td>1</td>
<td>60 CPW</td>
<td>P10</td>
</tr>
<tr>
<td>7784 Standard</td>
<td>0906</td>
<td>8327x1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>P10</td>
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<tr>
<td>7785 Standard</td>
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<td>8330x1</td>
<td>1</td>
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</tr>
<tr>
<td>7734 Enterprise</td>
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<td>1</td>
<td>1</td>
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<td>P10</td>
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<tr>
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<td>0906</td>
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<td>1</td>
<td>1</td>
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<td>P10</td>
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<tr>
<td>7736 Enterprise</td>
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<td>1</td>
<td>1</td>
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<td>7736 Solution</td>
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<td>1</td>
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<td>P10</td>
</tr>
<tr>
<td>7373 HA</td>
<td>0906</td>
<td>8327x1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>P10</td>
</tr>
<tr>
<td>7374 HA</td>
<td>0906</td>
<td>8327x1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>P10</td>
</tr>
<tr>
<td>7375 HA</td>
<td>0906</td>
<td>8330x1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>P20</td>
</tr>
</tbody>
</table>

Adequate processor licenses (i5/OS, AIX 5L, or Linux) must be available for all permanently activated processors.

New System i5 550 Editions

Editions include:

- Standard
- Enterprise
- Domino®
- Solution
- High Availability

The editions structure makes it easier for you to select an offering based on your needs.

For more information on the edition content, visit [http://www.ibm.com/eserver/iseries/hardware/editions](http://www.ibm.com/eserver/iseries/hardware/editions)

Standard Edition

The Standard Edition is designed for clients who do not require the flexibility of the model 550 Enterprise Edition. The Standard Edition is ideal for a wide variety of On Demand Business and client/server solutions. 5250 OLTP applications WebFaced using the WebFacing tool of WebSphere Development Studio can be run with no 5250 CPW requirement.

Model 550 Standard Edition (#7154)

Function

- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software

- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools:
  - Licensing for Workplace Services Express (40 per-user licenses for model 550)
  - Licensing for DB2 Query Mgr and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
  - Licensing for DB2 Extenders® (one server license)
  - Licensing for XML Toolkit (one server license)
- Datacenter Management Tools:
  - Licensing for Performance Tools, including manager option (one server license)
  - Licensing for HA Switchable Resources (one server license)
  - Licensing for Media and Storage Extensions (one server license)
  - Licensing for BRMS including network option (one server license)
  - Enterprise Workload Manager (one server license)

Education/Services

- Education Credits — one ILS class voucher provided via Web registration
- One service offering related to either Windows Integration, Linux on Power, AIX (includes one processor license for AIX 5L), or WebSphere

Domino Edition

For organizations of all sizes, e-mail and electronic collaboration are increasingly becoming mission-critical applications with the same requirements for availability and security as line-of-business applications. The System i5 Domino Edition leverages the widest range of IBM middleware and still can run traditional OLTP applications without first being WebFaced by the WebFacing tool of WebSphere Development Studio.

The Enterprise Edition starts with the Standard Edition content and builds upon it. It is designed as a total system, fully integrating and exploiting all of the fundamental hardware and software On Demand Business clients need. It is shipped with advanced tools for managing mixed workloads and virtual workplace software.

Model 550 Enterprise Edition (#7155)

Function

- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for 5250 OLTP (one processor authorization)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software

- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools:
  - Licensing for Workplace Services Express (40 per-user licenses for model 550)
  - Licensing for DB2 Query Mgr and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
  - Licensing for DB2 Extenders® (one server license)
  - Licensing for XML Toolkit (one server license)
- Datacenter Management Tools:
  - Licensing for Performance Tools, including manager option (one server license)
  - Licensing for HA Switchable Resources (one server license)
  - Licensing for Media and Storage Extensions (one server license)
  - Licensing for BRMS including network option (one server license)
  - Enterprise Workload Manager (one server license)

Education/Services

- Education Credits — one ILS class voucher provided via Web registration
- One service offering related to either Windows Integration, Linux on Power, AIX (includes one processor license for AIX 5L), or WebSphere

Domino Edition

For organizations of all sizes, e-mail and electronic collaboration are increasingly becoming mission-critical applications with the same requirements for availability and security as line-of-business applications. The System i5 Domino Edition continues the tradition established by the iSeries Dedicated Server for Domino (DSD) and the iSeries for Domino — price/performance targeted for Lotus® workloads combined with the reliability, manageability, and low cost of ownership that have made
System i5 a highly successful Domino server. You have room to grow on this server with built-in Capacity on Demand. In addition to the two processor activations that are standard on the System i5 Domino Edition, you have the option to activate one or two more processors. Optionally, you can create logical partitions (LPAR) and run Linux or AIX 5L on the additional processors.


Model 550 Domino Edition (#7629)
System i5 for Domino supports i5/OS, Lotus Domino, Lotus Instant Messaging and Web Conferencing (SameTime®), Lotus Team Workplace (QuickPlace®), Domino Web Access, and other Lotus solutions. 5250 OLTP applications WebFaced using the WebFacing tool of WebSphere Development Studio can be run with no 5250 CPW requirement.


Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- Licensing for i5/OS (two processor licenses)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)

Solution Editions
Model 550 Solution Editions, used with qualified ISV software, provide a more attractively priced total business solution. The complete list of qualified ISV solutions can be found on the Solution Edition Web site http://www.ibm.com/servers/eserver/iseries/ hardware/editions/soledition/

The Solution Editions have been developed with ISVs to address their specific client needs. Five unique Solution Editions are available from IBM with qualified ISV solutions.

Model 550 Solution Edition (#7630)

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- Licensing for DB2 Query Manager and SQL Developers ToolKit (one server license)
- Licensing for Workplace Services Express (40 per-user licenses for model 550)

Education/Services
One service offering related to either Windows Integration, Linux on Power, AIX (includes one processor license for AIX 5L), or WebSphere

Oracle’s JDE EnterpriseOne (#7631)
The model 550 Solution Edition for Oracle’s JD Edwards EnterpriseOne should be used with qualified Oracle solution purchases to provide a more attractively priced total solution designed for the EnterpriseOne application environment.

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for 5250 OLTP (one processor authorization)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- Licensing for DB2 Query Manager and SQL Developers ToolKit (one server license)
- Licensing for WebSphere Development Studio (one server license)
- Licensing for Performance Tools (one server license)
- Licensing for Advanced Function Printing™ (one server license)

C2CRM Solution Edition with Domino (#7632)
The model 550 Solution Edition for Clear Technologies for C2CRM with Domino should be used with qualified Clear Technologies solution purchases to provide a more attractively priced total solution. One enterprise enablement feature is included, providing one processor authorization of 5250 CPW.

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for 5250 OLTP (one processor authorization)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)
• Licensing for Domino Utility Server Express (two processor licenses)
• Licensing for Lotus Sametime® (100 user licenses)

2-Way SAP Solution Edition (#7640)
The model 550 Solution Edition for mySAP™ ERP should be used with qualified SAP solution purchases to provide a more attractively priced total solution. This edition is based on the 550 Standard Edition and does not come with any enterprise enablement features.

Additional processor activations can be ordered for the 2-Way SAP Solution Edition; however, additional i5/OS licences cannot be ordered. The 2-Way SAP Solution Edition (#7640) can be upgraded to the 4-Way SAP Solution Edition (#7641).

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (two processor licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

4-Way SAP Solution Edition (#7641)
The model 550 Solution Edition for mySAP ERP should be used with qualified SAP solution purchases to provide a more attractively priced total solution. This edition is based on the 550 Standard Edition and does not come with any enterprise enablement features.

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (four processor licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

High Availability Edition
If you need 24x7 availability, you can tie multiple System i5 units together with high-function third-party software. Role swapping and production on both primary and secondary servers is typical. In this multiple System i5 environment, the System i5 model for high availability is an attractively priced model 520, 550, 570, or 595 linked with a model 520, 550, 570, 595, 810, 825, 870, or 890 of equal or higher CPW.

The model 550 High Availability Edition is a 1/4-way system. These systems are physically identical to the equivalent Enterprise Edition model 550, except less content is shipped with the High Availability Edition than with the Enterprise Edition. The on demand capabilities such as On/Off Capacity on Demand and Reserve Capacity on Demand for the 550 High Availability Edition are identical to those on the model 550 Standard or Enterprise Editions.

To be eligible to buy a System i5 model for High Availability offering, you must meet specific criteria:
1. The server must be smaller or equal in size (CPW) to the primary server to which it will be linked.
2. The primary server must be a model 550, 570, 595, 825, 870, or 890 and must have a 5250 CPW value greater than zero.
3. The primary and secondary servers must use specific, qualified high-function, high-availability software provided by qualified ISVs listed on the high-availability Web site at http://www.ibm.com/eserver/iseries/hardware/is4ha

High Availability Edition for Model 550 (#7551)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)
• Support for 5250 OLTP (one processor authorization)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (one processor license)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)
• On Demand Business tools:
  - Licensing for DB2 Query Manager and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
• Datacenter Management Tools:
  - License for Performance Tools, including manager option (one server license)
  - License for HA switchable resources (one server license)
  - License for Media and Storage Extensions (one server license)
  - License for BRMS (one server license)

Services
One service offering related to High Availability or Disaster Recovery
New System i5 550 Edition summary

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New System i5 570 editions

System i5 models are offered with editions that provide you with some of IBM’s most popular middleware in an integrated package along with the server hardware.

Standard and Enterprise Editions for the model 570 include one i5/OS license. You can purchase additional licenses of i5/OS for the remaining processors.

For more information on the edition’s content and a complete definition of the service and education offerings, visit http://www.ibm.com/eserver/iseries/hardware/editions.html

Standard Edition

Order the Standard Edition if you do not need the maximum flexibility of the model 570 Enterprise Edition. The Standard Edition is featured for a wide variety of On Demand Business and client/server solutions. 5250 OLTP applications WebFaced using the WebFacing tool of IBM WebSphere Development Studio can be run with no 5250 CPW requirement.

Model 570 Standard Editions (#7757/#7758/#7759)

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- One license for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools:
  - Licensing for Workplace Services Express (60 per-user licenses for model 570)
  - Licensing for DB2 Query Mgr and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
  - Licensing for DB2 Extenders (one server license)
  - Licensing for XML Toolkit (one server license)
- Datacenter Management Tools:
  - Licensing for Performance Tools, including manager option (one server license)
  - Licensing for HA Switchable Resources (one server license)
  - Licensing for Media and Storage Extensions (one server license)
  - Licensing for BRMS including network option (one server license)
  - Licensing for Enterprise Workload Manager (one server license)

Enterprise Edition

Order the Enterprise Edition if you need a higher level of flexibility on the model 570. It is ideal for clients with dynamic business environments who need to respond immediately to fluctuating, unpredictable On Demand Business needs.

Enterprise Edition includes a Base Enterprise Enablement feature that provides one processor authorization of 5250 CPW. A processor authorization of 5250 capacity can be spread across more than one physical processor or partition. One Enterprise Enablement feature is included in the Enterprise Edition. You may purchase additional Enterprise Enablement features if you require additional 5250 CPW capacity. Only systems with Enterprise Edition may purchase the Enterprise Enablement feature.

The Enterprise Edition starts with the Standard Edition content and builds on it. As a total system, it integrates and exploits fundamental hardware and software for On Demand Business. It is shipped with advanced tools for managing mixed workloads and virtual workplace software.

Model 570 Enterprise Editions (#7747/#7748/#7749)

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for 5250 OLTP (one processor authorization)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- Licensing for i5/OS (one processor license)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools:
  - Licensing for Workplace Services Express (60 per-user licenses for model 570)
  - Licensing for DB2 Query Mgr and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
  - Licensing for DB2 Extenders (one server license)
  - Licensing for XML Toolkit (one server license)
- Datacenter Management Tools:
  - Licensing for Performance Tools, including manager option (one server license)
  - Licensing for HA Switchable Resources (one server license)
  - Licensing for Media and Storage Extensions (one server license)
  - Licensing for BRMS including network option (one server license)
  - Licensing for Enterprise Workload Manager (one server license)

System i5 Optimum Care

Upon request, System i5 Optimum Care is available with this edition to enhance your System i5 investment.

Optimum Care on the model 570 is available for new 8/16-way systems. The availability of Optimum Care for upgrades from another model into the 8/16-way 570 follows the general edition content upgrade rules. Under these rules, additional software, hardware or services/education vouchers associated the new edition are not provided when upgrading from one edition to another edition. Visit the editions Web site for more information.
High Availability Edition

If you need 24x7 availability, you can tie multiple System i5 units together with high-function third-party software. Role swapping and production on both primary and secondary servers is typical. In this multiple System i5 environment, the System i5 model for high availability is an attractively priced model 520, 550, 570, or 595 linked with a model 520, 550, 570, 595, 810, 825, 870, or 890 of equal or higher CPW.

A model 570 High Availability Edition can be a 2/4-way, 4/8-way, or 8/16-way system.

These systems are physically identical to the equivalent Enterprise Edition model 570 except different content is shipped with the High Availability Edition than with the Enterprise Edition. The on demand capabilities such as On/Off Capacity on Demand and Reserve Capacity on Demand for the 570 HA Edition are identical to those on the model 570 Standard or Enterprise Editions. The same upgrade paths to larger processors as those on the Enterprise Edition models 570 are offered by first converting the High Availability Edition to an Enterprise Edition. As with any edition upgrade, the hardware and services and most software content defined in the richer edition are not included in the upgrade price.

To be eligible to buy a System i5 model for High Availability offering, you must meet specific criteria:

1. The server must be smaller or equal in size (CPW) to the primary server to which it will be linked.
2. The primary server must be a model 570, 595, 870, or 890 and must have a 5250 CPW value greater than zero.
3. The primary and secondary servers must use specific, qualified high-function, high-availability software provided by qualified ISVs listed on the high-availability Web site at http://www.ibm.com/eserver/iseseries/hardware/is4ha

High Availability Editions for Model 570 (#7763/#7764/#7765)

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for LPAR (up to 10 partitions per processor)
- Support for 5250 OLTP (one processor authorization)
- Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
- Licensing for i5/OS (one processor License)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)
- On Demand Business tools:
  - Licensing for DB2 Query Manager and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
- Datacenter Management Tools:
  - License for Performance Tools, including manager option (one server license)
- License for HA switchable resources (one server license)
- License for Media and Storage Extensions (one server license)
- License for BRMS (one server license)

Services
One service offering related to High Availability or Disaster Recovery

Capacity BackUp Edition
A System i5 for Capacity BackUp can give you an off-site disaster recovery machine at an affordable price. A 2/16-way model 570 leverages On/Off Capacity on Demand capabilities into an effective backup server. The 570 has:

- Two processors that can be permanently activated and used for any workload
- Fourteen standby processors that can be used at no-charge in the event of a disaster for an extended period of time

I/O and memory minimums and maximums are the same as the 8/16-way 570 server.

The Capacity BackUp Edition contains a minimal set of software content because IBM software licensing can allow the primary server’s licensing to be transferred to a backup server in case the primary server is out of production. A 2/16-way System i5 for Capacity BackUp server can be upgraded to a 8/16-way Enterprise Edition server. As with any edition upgrade, the hardware and services and most software content defined in the richer edition are not included in the upgrade price.

The 14 standby processors of the 570 Capacity BackUp server cannot be permanently activated. In addition to their no-charge disaster usage, the standby processors can be used on a chargeable basis for other work. However, high usage of standby processors outside a disaster is costly. On demand memory features are not activated for no-charge during a disaster.

“Disaster” is defined as an event recoverable from an off-site location only and has resulted from the unforeseen loss of a production server’s computing capability due solely to forces beyond your control. To qualify as a disaster, such outage must be estimated to last for more than four hours and must not be caused by or otherwise related to hardware or software defects.

The System i5 for Capacity BackUp server is not intended for, or priced as, a backup server for 24x7 high availability solutions that require day-to-day full operation of the backup server. Such utilization would require a significant number of chargeable processor days.

You have an opportunity for an initial test of the back-up environment. Forty-two processor days are credited to your account for the 2/16-way server. These are provided at no charge using the On/Off Capacity on Demand function.

For more information on the Capacity BackUp Edition, visit http://www.ibm.com/eserver/iseseries/hardware/is4cbu
Capacity Backup Edition for Model 570 (#7760)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for dynamic LPAR (up to 10 i5/OS partitions per processor)
• Support for 5250 OLTP (two processor authorization)
• Support for Capacity on Demand (temporary capacity)

Software
• Licensing for i5/OS (two processor licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

New System i5 570 Edition summary

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<th>Edition Feature</th>
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New System i5 595 editions
System i5 models are offered with editions that include some of IBM’s most popular middleware in an integrated package along with the server hardware.

Standard and Enterprise editions for the model 595 include four i5/OS licenses. You can purchase additional licenses of i5/OS for the remaining processors.

For more information on the edition content and a complete definition of the service and education offerings, visit


Standard Edition
Order the Standard Edition if you do not need the maximum flexibility of the model 595 Enterprise Edition. The Standard Edition is featured for a wide variety of On Demand Business and client/server solutions. 5250 OLTP applications WebFaced using the WebFacing tool of IBM WebSphere Development Studio can be run with no 5250 CPW requirement.

Model 595 Standard Editions (#7480/#7482/#7486)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (four processor licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)

IBM System i5 Optimum Care
Upon request, System i5 Optimum Care is available with this edition to enhance your System i5 investment.

Optimum Care on the model 595 is available for new systems and for 595s that are an upgrade from other models. The availability of Optimum Care for upgrades is an exception of the general edition content rules that do not provide additional software, hardware, or services/education vouchers associated the new edition when upgrading from one edition to another edition. Visit the edition’s Web site for more information.

Enterprise Edition
Order the Enterprise Edition if you need a higher level of flexibility on the model 595. It is ideal for clients with dynamic business environments who need to respond immediately to fluctuating, unpredictable On Demand Business needs.

Enterprise Editions include Base Enterprise Enablement features. Each includes one processor authorization of 5250 CPW. A processor authorization of 5250 capacity can be used across more than one physical processor or partition. Four Base Enterprise Enablement features are included. You may purchase additional Enterprise Enablement features if you require additional 5250 CPW capacity. Clients with Standard Edition systems may not purchase the Enterprise Enablement feature.

The Enterprise Edition integrates and exploits fundamental hardware and software for On Demand Business. It is shipped with advanced tools for managing mixed workloads and virtual workplace software.

Model 595 Enterprise Editions (#7481/#7483/#7487)

Function
• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 partitions per processor)
• Support for 5250 OLTP (four processor authorizations)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software
• Licensing for i5/OS (four processor licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE2)
• On Demand Business tools:
  - Licensing for Workplace Services Express (80 per-user licenses for model 595)
  - Licensing for DB2 Query Mgr and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
  - Licensing for DB2 Extenders (one server license)
  - Licensing for XML Toolkit (one server license)
• Datacenter Management Tools
  - Licensing for Performance Tools, including manager option (one server license)
  - Licensing for High Availability Switchable Resources (one server license)
  - Licensing for Media and Storage Extensions (one server license)
  - Licensing for BRMS including network option (one server license)
  - Virtualization Engine™ (EWLM) for i5/OS (one server license)

IBM System i5 Optimum Care

Upon request, System i5 Optimum Care is available with this edition to enhance your System i5 investment.

Optimum Care on the model 595 is available for new systems and for 595 models that are an upgrade from other models. The availability of Optimum Care for upgrades is an exception of the general edition content rules that do not provide additional software, hardware, or services/education vouchers associated the new edition when upgrading from one edition to another edition. Visit the edition’s Web site for more information.

High Availability Edition

If you need 24x7 availability, you can tie multiple System i5 units together with high-function third-party software. Role swapping and production on both primary and secondary servers is typical. In this multiple System i5 environment, the System i5 for high availability is an attractively priced model 520, 550, 570, 595, 810, 825, 870, or 890 of equal or higher CPW.

A model 595 High Availability Edition can be a 8/16-way, 16/32-way, or 32/64-way.

These systems are physically identical to the equivalent Enterprise Edition model 595 except less content is shipped with the High Availability Edition than with the Enterprise Edition. The on demand capabilities such as On/Off Capacity on Demand and Reserve Capacity on Demand for the 595 HA Edition are identical to those on the model 595 Standard or Enterprise Editions. The same upgrade paths to larger processors as those on the Enterprise Edition models 595 are offered by first converting the High Availability Edition to an Enterprise Edition. As with any edition upgrade, the hardware and services and most software content defined in the richer edition are not included in the upgrade price.

To be eligible to buy an IBM System i5 model for High Availability offering, you must meet specific criteria:
1. The server must be smaller or equal in size (CPW) to the primary server to which it will be linked.
2. The primary server must be a model 595 or 890 and must have a 5250 CPW value greater than zero.
3. The primary and secondary servers must use specific, qualified high-function, high-availability software provided by qualified ISVs listed on the high-availability Web site at

http://www.ibm.com/eserver/iseries/hardware/is4ha

High Availability Editions for Model 595 (#7580, #7581, #7583)

Function

• Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
• Support for Web modernization (enhanced WebFacing support)
• Support for LPAR (up to 10 processors per partition)
• Support for 5250 OLTP (four processor authorizations)
• Support for Capacity on Demand (including CUoD and On/Off Capacity on Demand)

Software

• Licensing for i5/OS (four processor Licenses)
• IBM Director for iSeries (5733-DR1)
• IBM Web Enablement (5722-WE1)
• On Demand Business tools:
  - Licensing for DB2 Query Manager and SQL Developers Toolkit (one server license)
  - Licensing for DB2 SMP (one server license)
• Datacenter Management Tools:
  - License for Performance Tools, including manager option (one server license)
  - License for HA switchable resources (one server license)
  - License for Media and Storage Extensions (one server license)
  - License for BRMS (one server license)

Services

One service offering related to High Availability or Disaster Recovery

Capacity BackUp Edition

A System i5 model for Capacity BackUp can give you an offsite, disaster recovery machine at an affordable price. A 4/32-way model 595 leverages On/Off Capacity on Demand capabilities into an effective backup server. The 595 has:
1. Four processors that can be permanently activated and used for any workload
2. Twenty-eight standby processors that can be used at no-charge in the event of a disaster for an extended period of time

I/O and memory minimums and maximums are the same as the 16/32-way 595 server.

The Capacity BackUp Edition contains a minimal set of software content because IBM software licensing can allow the primary server’s licensing to be transferred to a backup server in case the primary server is out of production. A 4/32-way System i5 for Capacity BackUp server can be upgraded to a 16/32-way Enterprise Edition server. As with any edition upgrade, the hardware and services and most software content defined in the richer edition are not included in the upgrade price.

The 28 standby processors of the 595 Capacity BackUp server cannot be permanently activated. In addition to their no-charge disaster usage, the standby processors can be used on a chargeable basis for other work.
However, high usage of standby processors outside a disaster is costly. On demand memory features are not activated for no-charge during a disaster.

“Disaster” is defined as an event recoverable from off-site location only and has resulted from the unforeseen loss of a production server’s computing capability due solely to forces beyond your control. To qualify as a disaster, such outage must be estimated to last for more than four hours and must not be caused by or otherwise related to hardware or software defects.

The System i5 for Capacity BackUp server is not intended for, or priced as, a backup server for 24x7 high availability solutions that require day-to-day full operation of the backup server. Such utilization could require a significant number of chargeable processor days.

You have an opportunity for an initial test of the backup environment. Eighty-four processor days are credited to your account for the 4/32-way server. These are provided at no charge with the On/Off Capacity on Demand function.

For more information on the Capacity BackUp Edition, visit

http://www.ibm.com/eserver/iseries/hardware/is4cbu

Capacity Backup Edition for Model 595 (#7590)

Function
- Support for multiple operating systems (i5/OS, AIX 5L, and Linux)
- Support for Web modernization (enhanced WebFacing support)
- Support for dynamic LPAR (up to 10 partitions per processor)
- Support for 5250 OLTP (four processor authorizations)
- Support for Capacity on Demand (temporary capacity)

Software
- Licensing for i5/OS (four processor licenses)
- IBM Director for iSeries (5733-DR1)
- IBM Web Enablement (5722-WE2)

New System i5 595 Edition summary

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</table>

Model 520 now with Capacity on Demand

Now, along with other System i5 models, the model 520 with a 1/2-way processor offers several Capacity on Demand options that make it possible to activate additional processor resource. Capacity Upgrade on Demand, On/Off Capacity on Demand, Reserve Capacity on Demand, and Trial Capacity on Demand are currently available. To take advantage of CoD, only one of the two processors may have been permanently activated. Then, as needed, a software key activates the CoD option in order to satisfy capacity needs associated with business growth or peaks.

Increased I/O maximums for model 595

The model 595 is enhanced with higher I/O maximums, allowing increased configuration flexibility. The maximum number of HSL loops is increased from a maximum of 24 on a 32/64-way system to 31. The maximum number of I/O towers is increased from 72 to 96.

IOP-less configurations

All System i5 models are enhanced with IOP-less capability in their attached I/O towers/drawers, when running i5/OS V5R4. Model 520, 550, and 570 with the advanced POWER5 processors and i5/OS V5R4, can also run IOP-less in their system unit or CEC (assuming the individual I/O adapters or controllers are capable of IOP-less operation). Model 520 systems with advanced POWER5 processors can also run IOP-less using i5/OS V5R3 with V5R3M5 Machine Code. Switchable IASPs with IOP-less DASD requires V5R4 or later, and is not supported with the V5R3M5 Machine Code.

System i5 configurations with advanced POWER5 processors gain an additional PCI slot previously used by the included IOP.

New IOAs and controllers

I/O enhancements include new IOAs and controllers, the addition of IOP-less capability to many IOAs and controllers, and an update to existing I/O tower/drawer structure to reflect System i5 IOP-less capability.

IOP-based IOAs and controllers can be used on existing iSeries models 270, 800, 810, 820, 825, 830, 840, 870, or 890 running the appropriate level of i5/OS. Only POWER5 based servers can take advantage of IOP-less IOAs and controllers.

Feature matrix

Key:
- I — Available on initial orders from the plant only
- M — Available on field upgrade (MES) orders only
- B — Available on both initial and field upgrade orders
- S — Supported for migration only and cannot be ordered

A complete list of features by model can be found in the iSeries Sales Manuals online.
The new System i5 advanced POWER5 systems essentially replace the iSeries POWER5 processors introduced in 2004 and 2005. The overall refreshed product structure is similar to the existing product structure with these differences:

- **Model 520:**
  - 1.9 GHz advanced POWER5 processors are now used. Previously either 1.5GHz or 1.65GHz processors were included. This speed boost significantly increases the entry 520 capacity to handle additional workload. The maximum of 7,100 CPW is up to 18% higher than the previous model 520.
  - A new, optional Accelerator for System i5 feature for many 1-way model 520s provides a dramatic boost in processor CPW for additional workloads such as additional partitions, Java™ or WebSphere applications, and so on.
  - The largest model 520 is now a 1/2-way server with processor capacity on demand. Previously the model 520 did not offer this capability.
  - New DDR2 memory features are used with a slightly higher speed and more flexible pair plugging rules.
  - The HSL/RIO loop is now an optional feature.

**Product positioning**

IBM System i5 models are capable, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

**Section 508 of the U.S. Rehabilitation Act**

IBM System i5 models are capable, when used in accordance with IBM’s associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

- Model 520:
  - 1.9 GHz advanced POWER5 processors are now used. Previously either 1.5GHz or 1.65GHz processors were included. This speed boost significantly increases the entry 520 capacity to handle additional workload. The maximum of 7,100 CPW is up to 18% higher than the previous model 520.
  - A new, optional Accelerator for System i5 feature for many 1-way model 520s provides a dramatic boost in processor CPW for additional workloads such as additional partitions, Java™ or WebSphere applications, and so on.
  - The largest model 520 is now a 1/2-way server with processor capacity on demand. Previously the model 520 did not offer this capability.
  - New DDR2 memory features are used with a slightly higher speed and more flexible pair plugging rules.
  - The HSL/RIO loop is now an optional feature.

- **Model 550:**
- 1.9 GHz advanced POWER5 processors are now used instead of previously employed 1.65 GHz processors. The maximum of 14,000 CPW is up to 16% higher than the previous model 550.
- New DDR2 memory features are used with a higher speed and more flexible pair plugging rules.

• Model 570:
- 2.2GHz advanced POWER5 processors are now used instead of previously employed 1.65GHz processors. The maximum of 58,500 CPW is up to 29% larger than the previous model 570.
- Product structure is simplified and provides more Capacity on Demand capability.
  -- The model 1/4-way model 550 is generally a better fit for this performance point than the previously available model 570 1/2-way.
  -- A 4/8-way and 8/16-way structure replaces the previous 5/8-way, 9/12-way and 13/16-way structure.
- New DDR2 memory features are used with a higher speed.

• Model 595:
- 1.9GHz POWER5 processors are now used instead of previously employed 1.65GHz processors. The maximum of 184,000 CPW is up to 11% larger than the previous model 595.
- A High Availability Edition is available for the 8/16-way, 16/32-way, and 32/64-way.
- A higher maximum number of HSL/RIO loops provides up to a 30% increase; the maximum number of I/O towers/drawers that a 32/64-way model 595 can support is increased from 72 to 96, a 33% increase.

Upgrade paths into the new processor models 520, 550, 570, and 595 are provided from models 810, 825, 870, and 890. Existing POWER5 systems with the exception of the 520 Express and Value Editions can also be upgraded into the new processor models.

The new medium-size write cache disk controller, #0648/#5737/#5766 PCI-X Disk Controller has twice the write cache capacity of its predecessor, the #5703 PCI-X Disk Controller, and is capable of IOP-less or IOP-based operation. In addition to RAID-5 capability, it also supports RAID-6 capability. Though its 90MB write cache gives it a performance improvement over the predecessor #5703, it offers significantly less performance than the #2780/5580 PCI-X Disk Controller, which has an effective 757MB write cache plus 1GB read cache.

The new VXA-320 tape drive offers an attractively priced entry tape drive with excellent speed and capacity. It is up to two times the speed and capacity of the predecessor VXA-2 product. It is up to three times the speed, and up to five times the capacity of the 30GB QIC tape drive.

**Business Partner information**

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).
Feature descriptions

The following are descriptions for new features on the System i5 9406 models.

Minimums and maximums are the absolute limits for a single feature without regard to interaction with other features. The maximum valid quantity for MES orders may be different than for initial orders. The maximums refer to the largest quantity of these two possibilities.

The order type defines if a feature is orderable on initial orders, on MES orders, on both initial and MES orders, or if a feature is supported on a model only due to a model conversion.

(#0047) — Device Parity RAID-6 All: This code indicates the level of disk protection desired and helps ensure that adequate hardware is in the final configuration.

For new systems: Causes the order to fail if a disk unit or adapter is ordered that is not capable of implementing RAID-6 protection. #0047 causes all internal disk units to be placed into configurations capable of implementing RAID-6 arrays using a RAID-6 capable disk controller. RAID-6 arrays require a minimum of four disk units per array (all disk units within an array must be of the exact same capacity). The exception to this configuration rule is that the disk drives inside the model 520, 550, and 570 system units will use RAID-5 arrays since the integrated disk controllers are not capable of RAID-6.

For upgrade orders: #0047 will cause the order to replace adapters that are not RAID-6 capable with RAID-6 capable adapters. A warning message will be generated during RAID enablement if there are not enough disk units to support a minimum RAID configuration.

It is the customer’s responsibility to start RAID on their system.

Device parity protection requires all disk units to be placed in sets large enough to turn on RAID protection, as well as be connected to a RAID-capable adapter. The rules for RAID can be found in the disk controller descriptions.

- Attributes provided: RAID-6 Data Protection
- Attributes required: RAID-6 capable disk unit controller
- For 9406-520: (#0047)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: Does not apply
- For 9406-550: (#0047)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
- For 9406-595: (#0047)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
- For 9406-570: (#0047)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)

(#0290) — Ext Tape Attached via #5736: Each #0290 is used to indicate one external port of a #5736 will be used to control an external tape device.

- Attributes provided: Placement code for IBM Configurator Tools
- Attributes required: #5736 PCI-X Tape/DASD Controller
- For 9406-520: (#0290)
  - Minimum required: 0
  - Maximum allowed: 36 (Initial order maximum: 36)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-550: (#0290)
  - Minimum required: 0
  - Maximum allowed: 36 (Initial order maximum: 36)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-570: (#0290)
  - Minimum required: 0
  - Maximum allowed: 48 (Initial order maximum: 36)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-595: (#0290)
  - Minimum required: 0
  - Maximum allowed: 60 (Initial order maximum: 48)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
- Return parts MES: No

(#0532) — V5R4 OS, V5R4M0 Machine Code: This specify code is used to indicate what release of i5/OS will be used on the system. For an LPAR system, this specify indicates what release of i5/OS will be used in the system’s primary partition. V5R4 machine code requires a minimum i5/OS load source of 17GB.

- For 9406-520: (#0532)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-550: (#0532)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-570: (#0532)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-595: (#0532)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-520: (#0647)
  - Minimum required: 0
  - Maximum allowed: 55 (Initial order maximum: 55)
  - OS level required: AIX 5L for POWER® V5.2 for IBM eServer®, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-550: (#0647)
  - Minimum required: 0
  - Maximum allowed: 108 (Initial order maximum: 108)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-570: (#0647)
  - Minimum required: 0
  - Maximum allowed: 432 (Initial order maximum: 250)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-595: (#0647)
  - Minimum required: 0
  - Maximum allowed: 1296 (Initial order maximum: 250)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#0647) — PCI-X Disk/Tape Ctrl No IOP: Provides a PCI-X Disk/Tape SCSI Controller with zero write cache and without RAID support. A maximum of six disk drives are supported on the #0647. Removable media devices (tape, optical libraries, CD-ROM, DVD-ROM, and DVD-RAM) are also supported on the #0647.

The #0647 has two U320 buses each with a bus data rate of up to 320MBs. Each SCSI bus can be either internal (using an internal port) or external (using an external port), but not both. There are four physical ports on the #0647, two internal and two external.

Internal devices connect to the internal ports (1 or 2). External devices connect to the external ports (1 or 2) and use an LVD (Low Voltage Differential) interface and VHDCI connectors. A #1850 VHDCI to P Converter Cable is available to connect to external devices with type P connectors.

Attributes provided: Two U320 SCSI VHDCI ports that may be either internal or external but not both.

- Attributes required: One available 3.3 volt PCI or PCI-X slot

- For 9406-520: (#0647)
  - Minimum required: 0
  - Maximum allowed: 1296 (Initial order maximum: 250)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-550: (#0647)
  - Minimum required: 0
  - Maximum allowed: 432 (Initial order maximum: 250)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-570: (#0647)
  - Minimum required: 0
  - Maximum allowed: 108 (Initial order maximum: 250)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-595: (#0647)
  - Minimum required: 0
  - Maximum allowed: 55 (Initial order maximum: 55)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#0648) — PCI-X Disk Ctrl-90MB No IOP: Provides a PCI-X SCSI disk controller that has a 90MB write cache and can provide RAID-5 or RAID-6 protection of disk units.

The #0648 has two U320 SCSI buses each with a bus data rate of up to 320MBs. A maximum of 12 internal disk drives and up to two internal removable media devices (tape, optical libraries, CD-ROM, DVD-ROM, and DVD-RAM) are supported on the #0648.

A minimum of three disk drives are required for RAID-5, providing protection against a single drive failure in an array. A minimum of four disk drives are required for...
RAID-6, providing protection against up to two drives failing in an array.

#0648, #5737, and #5776 are physically the same adapter card but have different feature numbers to indicate to IBM configurator tools how the card is being used. #0648 indicates that the card is dedicated to an AIX 5L or Linux partition and an IOP is not being used.

Note the #2780/#5580 and #2757/#5581 disk controllers with an effective 757MB write cache provide greater disk performance and can have an auxiliary write cache IOA to protect the write cache contents.

- Attributes provided: Two U320 SCSI VHDCI ports
- Attributes required: One available 3.3V long PCI or PCI-X slot

For 9406-520: (#0648)
- Minimum required: 0
- Maximum allowed: 55 (Initial order maximum: 55)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#0648)
- Minimum required: 0
- Maximum allowed: 109 (Initial order maximum: 109)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#0648)
- Minimum required: 0
- Maximum allowed: 432 (Initial order maximum: 250)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#0648)
- Minimum required: 0
- Maximum allowed: 1296 (Initial order maximum: 250)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes

- Return parts MES: No

(#0906) — 1W Serv Feat 520 1x8327/30: #0906 is a server feature for the model 520. #0906 allows the selection of a 1-way or a 1/2-way processor.

For 9406-520: (#0906)
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#0910) — 1/4W Serv Feat 550 2x8312: This server solution package denotes the use of two #8312 0/2-way processor features (four processors maximum) on the model 550.

For 9406-550: (#0910)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: Does not apply

(#0934) — 2/4W Serv Feat 570 2x8338: This server feature denotes the use of two #8338 0/2-way processor features (four processors maximum) on the model 570, with two processors activated at no additional charge.

For 9406-570: (#0934)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#0935) — 4/8W Serv Feat 570 4x8338: This server feature denotes the use of four #8338 0/2-way processor features (eight processors maximum) on the model 570, with four processors activated at no additional charge.

For 9406-570: (#0935)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#0936) — 8/16W Serv Feat 570 8x8338: This server feature denotes the use of eight #8338 0/2-way processor features (16 processors maximum) on the model 570, with eight processors activated at no additional charge.

For 9406-570: (#0936)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No
This server feature denotes the use of eight #8338 0/2-way processor features (16 processors maximum) on the model 570, with two processors activated at no additional charge. For 9406-570: (#0937)

- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

This server feature denotes the use of one #8966 0/16-way processor feature on the model 595, with eight processors activated at no additional charge. For 9406-595: (#0940)

- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

This server feature denotes the use of two #8966 0/16-way processor features (32 processors maximum) on the model 595, with 16 processors activated at no additional charge. For 9406-595: (#0941)

- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

This server feature denotes the use of four #8966 0/16-way processor features (64 processors maximum) on the model 595, with 32 processors activated at no additional charge. For 9406-595: (#0943)

- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

This server package denotes the use of two #8966 0/16-way processor features (32 processors maximum) on the model 595, with four processors activated at no additional charge. For 9406-595: (#0944)

- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

This server feature denotes the use of a #8325 or #8327 1- or 2-way processor feature on the model 520. For 9406-520: (#0975)

- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

Provides a 15,000 rpm disk unit with 146.8GB of storage capacity for AIX 5L and Linux partitions.

Characteristics:

- Form factor: 3.5-inch, 1-inch (25 mm) high
- Cable included: No
- External interface: Ultra320 SCSI (16-bit, Low Voltage Differential)
- Attachment Industry Spec: SCSI U320
- Average seek time: 3.7 ms (based on four reads to one write)
- Average latency: 2 ms
- Rotational speed: 15,000 rpm
- Maximum data transfer rate: 83 MBps

Limitation: This disk drive requires attachment to a supported Ultra320 SCSI adapter in a system that supports an Ultra320 SCSI cable/backplane in order for the drive to run at 320MBps. Also, any and all other SCSI devices on the same SCSI bus must also be Ultra2, Ultra3, or Ultra320 SCSI devices in order for this disk drive to run at 320MBps.

- Attributes provided: 146.8GB of disk storage mounted in a carrier.
- Attributes required: One disk drive bay.

- For 9406-520: (#1898)
  - Minimum required: 0
  - Maximum allowed: 56 (Initial order maximum: 56)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-550: (#1898)
  - Minimum required: 0
  - Maximum allowed: 104 (Initial order maximum: 104)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-570: (#1898)
  - Minimum required: 0
  - Maximum allowed: 264 (Initial order maximum: 250)
OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later

Initial Order/MES/Both/Supported: Both

CSU: Yes

Return parts MES: No

For 9406-595: (#1898)
- Minimum required: 0
- Maximum allowed: 192 (Initial order maximum: 192)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

HSL-2/RIO-G Ports — 2 Copper: Provides an HSL-2/RIO-2 adapter that is installed in the POWER5+ system unit. It provides two ports for attaching one HSL-2 loop for external connectivity of I/O expansion drawers and towers. The #2888 is inserted in the GX slot of the 520, and does not take a PCI slot.

Attributes provided: Two copper HSL-2 ports
Attributes required: GX slot

For 9406-520: (#2888)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

Universal Japanese: All systems require a #29XX specify code. A #29XX code is required on all model upgrades, even if one is already on the records.

#2958, Universal Japanese and #2930, Japanese Kanji, support the same language. However, #2958 indicates that the system will utilize an EBCDIC encoding CCSID of #1399, common for WebSphere® and HTTP applications, while #2930 indicates that the system will utilize EBCDIC encoding CCSID of #5026, common for RPG and DDS applications.

Machine history at the IBM plant is used to ship the proper language when the 29XX code is not on an MES order.

These features have country-specific usage.

For 9406-520: (#2958)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#3641)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

T115 TFT 15” Color Display: The IBM T115 LCD flat-panel monitor has the following general characteristics:

- Business black color
- 15.0-inch LCD digital screen with a viewable image size of 381mm (15.0 inches) measured diagonally, incorporating a 0.297mm pixel pitch/type for bright, high-definition images.
- Maximum resolution of 1024 x 768 (XGA)
- Tilt adjustable stand
- Analog connection
- Internal power
- Depth (w/stand): 144 mm (6.67 inches)
- Height (max w/stand): 361 mm (14.2 inches)
- Width: 362 mm (14.2 inches)
- Weight: 2.9 kg (6.4 lbs)
- Contrast ratio: 400:1 (typical)
- Brightness: 250cd/m2 (typical)
- Viewing angles (H/V): 130 degrees/100 degrees
- Attributes provided: Color Flat-panel Monitor
- Attributes required: Graphics Adapter

For 9406-520: (#3641)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#3641)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#3641)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No
(3643) — **T120 TFT 20’ Color Display:** The IBM T120 LCD flat-panel monitor has the following general characteristics:

- **Business black color**
- 20.1-inch LCD digital screen with a viewable image size of 511mm (20.1 inches) measured diagonally, incorporating a 0.255mm pixel pitch/type for bright, high-definition images.
- Maximum resolution of 1600 x 1200 (UXGA)
- Tilt/lift adjustable stand
- Analog and digital connections
- Internal power
- Depth (w/stand): 246 mm (9.7 inches)
- Height (max w/stand): 416.6 mm (16.5 inches)
- Weight: 7.5 kg (16.5 lbs)
- Contrast ratio: 700:1 (typical)
- Brightness: 300cd/m2 (typical)
- Viewing angles (H/V): 178 degrees/178 degrees
- Video inputs: 15-pin D / DVI-D
- Two removable cables, one analog and one digital
- Attributes provided: Color Flat-panel Monitor
- Attributes required: Graphics Adapter

For 9406-520: (#3643)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#3643)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#3643)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#3643)
- Minimum required: 0
- Maximum allowed: 16 (Initial order maximum: 16)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(3644) — **T119 TFT 19’ Color Display:** The IBM T119 LCD flat-panel monitor has the following general characteristics:

- **Business black color**
- 19.0-inch LCD digital screen with a viewable image size of 483 mm (19.0 inches) measured diagonally, incorporating a 0.294 mm pixel pitch/type for bright, high-definition images.
- Maximum resolution of 1280 x 1024 (SXGA)
- Tilt/lift adjustable stand
- Analog and digital connections
- Internal power
- Depth (w/stand): 246 mm (9.7 inches)
- Height (max w/stand): 443.6 mm (17.5 inches)
- Width: 418 mm (16.5 inches)
- Weight: 7.4 kg (16.3 lbs)
- Contrast ratio: 550:1 (typical)
- Brightness: 250cd/m2 (typical)
- Viewing angles (H/V): 140 degrees/135 degrees
- Video inputs: 15-pin D / DVI-D
- Two removable cables, one analog and one digital
- Attributes provided: Color Flat-panel Monitor
- Attributes required: Graphics Adapter

For 9406-520: (#3644)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#3644)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#3644)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#3644)
- Minimum required: 0
- Maximum allowed: 16 (Initial order maximum: 16)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(3645) — **T117 TFT 17’ Color Display:** The IBM T117 LCD flat-panel monitor has the following general characteristics:

- **Business black color**
- 17.0-inch LCD digital screen with a viewable image size of 432 mm (17.0 inches) measured diagonally, incorporating a 0.264 mm pixel pitch/type for bright, high-definition images.
- Maximum resolution of 1280 x 1024 (SXGA)
- Tilt/lift adjustable stand
- Analog and digital connections
- Internal power
• Depth (w/stand): 246 mm (9.7 inches)
• Height (max w/stand): 395.5 mm (15.6 inches)
• Width: 375.4 mm (14.8 inches)
• Weight: 5.8 kg (12.8 lbs)
• Contrast ratio: 500:1 (typical)
• Brightness: 300cd/m² (typical)
• Viewing angles (H/V): 140 degrees/130 degrees
• Video inputs: 15-pin D / DVI-D
• Two removable cables, one analog and one digital
• Attributes provided: Color Flat-panel Monitor
• Attributes required: Graphics Adapter

For 9406-520: (#3645)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#3645)
- Minimum required: 0
- Maximum allowed: 2 (Initial order maximum: 2)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#3645)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#3645)
- Minimum required: 0
- Maximum allowed: 16 (Initial order maximum: 16)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-520: (#4474)
- Minimum required: 0
- Maximum allowed: 4 (Initial order maximum: 4)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#4474)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#4475)
- Minimum required: 0
- Maximum allowed: 16 (Initial order maximum: 16)
- OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

Note: Model 550 with 1.9 GHz processor

(4400) — 1GB DDR2 Main Storage: Consists of two 512MB DDR2 DIMMs for a total of 1GB of main storage.
• Attributes provided: 1GB of main storage
• Attributes required: Two DIMM slots
• For 9406-520: (#4400)
  - Minimum required: 0
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX® 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-550: (#4400)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat

(4474) — 2GB DDR2 Main Storage: Consists of two 1GB DDR2 DIMMs for a total of 2GB of main storage.
• Attributes provided: 2GB of main storage
• Attributes required: Two DIMM slots
• For 9406-520: (#4474)
  - Minimum required: 0
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-550: (#4474)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(4475) — 4GB DDR2 Main Storage: #4475 consists of two 2GB DDR2 DIMMs for a total of 4GB of main storage.
• Attributes provided: 4GB of main storage
• Attributes required: Two DIMM slots
• For 9406-520: (#4475)
  - Minimum required: 0
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-550: (#4475)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat
### 8GB DDR2 Main Storage

**(4477)** – 8GB DDR2 Main Storage: 

- **Attributes required:** Capacity Upgrade on Demand
- **Attributes provided:** 8GB of main storage

For 9406-570: (#4496)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

**Note:** Model 550 with 1.9GHz processor

(4496) — 8/16GB DDR2 Main Storage: 

- Provides 8GB of activated DDR2 memory and an additional 8GB of DDR2 memory available for activation with four 4GB DIMMs. The 8GB of additional memory may be activated in increments of 1GB. If a memory feature is moved to a different server, that server will recognize only 8GB as available unless additional memory activations are acquired or already present on that server. For the original server, eight 1GB memory activations remain and can be used for other CUoD memory features. For special situations, contact IBM CoD administration about transferring memory activations between servers.

- **Attributes provided:** 8GB of activated memory and 8GB of memory available for activation
- **Attributes required:** Capacity Upgrade on Demand Server

For 9406-570: (#4496)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: No
- Return parts MES: No

(4497) — 16GB DDR2 Main Storage: 

- Provides 16GB of DDR2 system memory with four 4GB DDR2 DIMMs.

- **Attributes required:** 16GB of DDR2 system memory,
- **Attributes required:** Four empty memory DIMM positions.

For 9406-570: (#4497)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: No
- Return parts MES: No

(4498) — 32GB DDR2 Main Storage: 

- Provides 32GB of DDR2 system memory with four 8GB DDR2 DIMMs. #4498 is comprised of 400MHz DDR2 DIMMs and cannot be mixed with other model 570 memory on the same processor card. #4498 can be mixed with other DDR2 memory in the same enclosure or in the same system.

- **Attributes required:** 32GB of DDR2 system memory,
- **Attributes required:** Four empty memory DIMM positions.

For 9406-570: (#4498)
- Minimum required: 0
- Maximum allowed: 8 (Initial order maximum: 8)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: No
- Return parts MES: No

(5159) — 850 Watt Power Supply: 

- Provides an optional 850W power supply, which installs in a 520 system unit with processor #8325, #8327 or #8330 and provides redundant power.

The #5159 requires an additional CEC line cord feature to be ordered.

- **Attributes provided:** Redundant power supply.
- **Attributes required:** Additional CEC line cord

For 9406-520: (#5159)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#5553) — Sys Console-Ethernet No IOP: This specifies the use of an embedded CEC LAN port for the system console connection using Operations Console (LAN).

- Attributes provided: System Console connection through an embedded CEC LAN port.
- Attributes required: Embedded CEC LAN port.
- For 9406-520: (#5553)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: Does not apply

(#5557) — Sys Console-Ethernet No IOP: Indicates that the system console is driven by an IOP-less Ethernet LAN adapter. This LAN adapter must be dedicated to console support functions and cannot be used for any other purpose.

- Attributes provided: System Console connection through an IOP-less Ethernet LAN adapter
- Attributes required: PCI-X IOP-less Ethernet LAN Adapter
- For 9406-595: (#5557)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: Does not apply

(#5713) — PCI-X 1Gbps iSCSI TOE-Copper: Provides a 1Gbps iSCSI TOE PCI-X adapter, which encapsulates SCSI Commands and data into TCP and transports them over the Ethernet via IP packets. The adapter operates as an iSCSI TOE (TCP/IP Offload Engine). This offload of the host eliminates protocol processing and reduces CPU interrupts. The adapter uses RJ45 1Gbps Ethernet connector.

This iSCSI adapter can be used to initiate requests to external storage devices from AIX 5L and Linux partitions.

- Attributes provided: Off-load of host protocol processing
- Attributes required: Available 3.3V PCI-X Slot
- For 9406-520: (#5713)
  - Minimum required: 0
  - Maximum allowed: 15 (Initial order maximum: 15)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-595: (#5713)
  - Minimum required: 0
  - Maximum allowed: 27 (Initial order maximum: 27)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-570: (#5713)
  - Minimum required: 0
  - Maximum allowed: 39 (Initial order maximum: 39)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-595: (#5713)
  - Minimum required: 0
  - Maximum allowed: 60 (Initial order maximum: 60)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#5714) — PCI-X 1Gbps iSCSI TOE-Optic: Provides a 1Gbps iSCSI TOE PCI-X adapter, which encapsulates SCSI Commands and data into TCP and transports them over the Ethernet via IP packets. The adapter operates as an iSCSI TOE (TCP/IP Offload Engine). This offload of the host eliminates protocol processing and reduces CPU interrupts. The adapter uses small form factor LC type fiber optic connector.
This iSCSI adapter can be used to initiate requests to external storage devices from AIX 5L and Linux partitions.

- Attributes provided: Off-load of host protocol processing
- Attributes required: Available 3.3V or 5V PCI-X Slot

For 9406-520: (#5714)
- Minimum required: 0
- Maximum allowed: 15 (Initial order maximum: 15)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#5714)
- Minimum required: 0
- Maximum allowed: 27 (Initial order maximum: 27)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#5714)
- Minimum required: 0
- Maximum allowed: 39 (Initial order maximum: 39)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#5714)
- Minimum required: 0
- Maximum allowed: 60 (Initial order maximum: 60)
- OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#5727) — Integrated Cache — 40MB: Provides a card that augments the base integrated disk controller of the model 520 or the model 550 with 40MB of write cache and also enables RAID-5 capability for the internal disk drives of the system unit. This feature is functionally equivalent to #5709 and #5726, but can run in an IOP-less mode. #5727 is installed into its own specific internal slot of a system unit and does not require a PCI slot. The #5728 or its #5709/#5726 predecessor is required if i5/OS is to access the 4th, 5th, and 6th disk slots in the processor enclosure.

A minimum of three disk units are required for a RAID-5 disk array.

- Attributes provided: 40MB write cache and RAID-5 data protection for system unit DASD
- Attributes required: Unused write cache/RAID controller slot in the system unit.

For 9406-520: (#5727)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#5727)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#5728)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#5736) — PCI-X Disk/Tape Ctlr w/IOP: Provides a PCI-X Disk/Tape SCSI Controller with zero write cache and without RAID support. Disk mirroring support is supported through i5/OS. A maximum of six disk drives are supported on the #5736. Removable media devices (tape, optical libraries, CD-ROM, DVD-ROM, or DVD-RAM) are also supported on the #5736.
The #5736 has two U320 buses each with a bus data rate of up to 320MBs. Each SCSI bus can be either internal (using an internal port) or external (using an external port), but not both. There are four physical ports on the #5736, two internal and two external.

Internal devices connect to the internal ports (1 or 2). External devices connect to the external ports (1 or 2) and use an LVD (Low Voltage Differential) interface and VHDCI connectors. A #1850 VHDCI to P Converter Cable is available to connect to external devices with type P connectors.

#0647, #5736, and #5775 are physically the same adapter card but have different feature numbers to indicate to IBM configurator tools that an IOP is or is not being used in the configuration.

#5736 should be the choice over #5702/#5712 or #5705/#5715 controllers for systems running V5R3, or should be the choice over #5702/#5712 or configuration.

- Attributes provided: Two U320 SCSI VHDCI ports that may be either internal or external but not both.
- Attributes required: One available 3.3 volt PCI or PCI-X slot
- For 9406-520: (#5736)
  - Minimum required: 0
  - Maximum allowed: 55 (Initial order maximum: 55)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-550: (#5736)
  - Minimum required: 0
  - Maximum allowed: 109 (Initial order maximum: 109)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-570: (#5736)
  - Minimum required: 0
  - Maximum allowed: 432 (Initial order maximum: 432)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-595: (#5736)
  - Minimum required: 0
  - Maximum allowed: 864 (Initial order maximum: 864)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

The #5737 has two U320 SCSI buses each with a bus data rate of up to 320MBs. A maximum of 12 internal disk drives and up to two internal removable media devices (tape, CD-ROM, DVD-ROM, or DVD-RAM) are supported on the #5737.

A minimum of three disk drives are required for RAID-5, providing protection against a single drive failure in an array. A minimum of four disk drives are required for RAID-6, providing protection against up to two drives failing in an array.

#0648, #5737 and #5776 are physically the same adapter card but have different feature number to indicate to IBM configurator tools that an IOP is or is not being used in the configuration.

Note the #2780/#5580 and #2757/#5581 disk controllers with an effective 757MB write cache provide greater disk performance and can have an auxiliary write cache IOA to protect the write cache contents.

- Attributes provided: Two U320 SCSI VHDCI ports
- Attributes required: One available 3.3V long PCI or PCI-X slot
- For 9406-520: (#5737)
  - Minimum required: 0
  - Maximum allowed: 31 (Initial order maximum: 31)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-550: (#5737)
  - Minimum required: 0
  - Maximum allowed: 61 (Initial order maximum: 61)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-570: (#5737)
  - Minimum required: 0
  - Maximum allowed: 240 (Initial order maximum: 240)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
- For 9406-595: (#5737)
  - Minimum required: 0
  - Maximum allowed: 480 (Initial order maximum: 480)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

#5740 — 1Gbps BaseT Ethernet(4-Port): Provides a 4-port 10/100/1000Mbps BaseT Ethernet adapter that supports four 1-Gigabit ports on a single adapter, delivering increased bandwidth for slot-constrained servers and providing high connectivity and reliability using two integrated, dual-port Gigabit Ethernet controllers.

Characteristics:
- Supports 64-bit Bus Mastering on the PCI-X bus
- Compliant with IEEE 802.3ab 1000Base-T, 803.u 100Base-TX, 802.3 10Base-T standards and supports 802.1q VLAN tagging
- Supports Interrupt Moderation
- TCP Segmentation off-load and encapsulation in hardware
- Checksum off-loading of IP, TCP, and UDP frame
- Remote Management Support (WIM,RIS, SNMP/DMI)
- Delivers increased connectivity while significantly reducing CPU Utilization
- Provides 10/100/1000Mbps connectivity through four RJ-45 ports using CAT-5 cables
- Support for Boot ROM on two ports
- Supports advanced cable diagnostics
- Utilizes lead free components
• Adapter dimensions: 4.2” x 6.39”
• Attributes provided: 4-port 10/100/1000Mbps BaseT Ethernet Adapter
• Attributes required: One PCI slot
• For 9406-520: (#5740)
  - Minimum required: 0
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-550: (#5740)
  - Minimum required: 0
  - Maximum allowed: 5 (Initial order maximum: 5)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-570: (#5740)
  - Minimum required: 0
  - Maximum allowed: 12 (Initial order maximum: 12)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-595: (#5740)
  - Minimum required: 0
  - Maximum allowed: 128 (Initial order maximum: 128)
  - OS level required: AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#5760) — PCI-X Fibre Chan Disk Ctlr: Provides a 4Gbps Single Port Fibre Channel PCI-X 2.0 Adapter that attaches external DASD devices. #5760 is a 64-bit address/data, short form factor PCI-X adapter with an LC type external fiber connector that provides single initiator capability over an optical fiber link or loop. With the use of appropriate optical fiber cabling, this adapter provides the capability for a network of high-speed local and remote located storage.

The #5760 will auto-negotiate for the highest data rate between adapter and an attaching device at 1Gbps, 2Gbps, or 4Gbps of which the device or switch is capable. Distances of up to 500 meters running at 1Gbps data rate and up to 300 meters running at 2Gbps data rate and 4Gbps data rate up to 150 meters are supported between the adapter and an attaching device or switch. When used with IBM supported Fibre Channel storage switches supporting long-wave optics, distances of up to 10 kilometers are capable running at either 1Gbps or 2Gbps or 4Gbps data rates.

The #5760 can be used to attach devices either directly, or by means of Fibre Channel Switches. If attaching a device or switch with a SC type fiber connector, use of a #0371 LS-SC Adapter Kit (50um), or a #0372 LS-SC Adapter Kit (62.5um) is required.

Refer to the following IBM storage subsystem Web page for additional supported server attachment information for IBM devices.


Consult with your IBM representative or Business Partner for additional information relative to any third-party attachment.

• Attributes provided: One Port Fibre Channel Adapter that attaches External DASD
• Attributes required: One empty PCI-X 1.0 / 2.0 slot, and a PCI IOP
• For 9406-520: (#5760)
  - Minimum required: 0
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-550: (#5760)
  - Minimum required: 0
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-570: (#5760)
  - Minimum required: 0
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-595: (#5760)
  - Minimum required: 0
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#5761) — PCI-X Fibre Chan Tape Ctlr: Provides a 4Gbps Single Port Fibre Channel PCI-X 2.0 Adapter that attaches external tape devices. #5761 is a 64-bit address/data, short form factor PCI-X adapter with an LC type external fiber connector that provides single initiator capability over an optical fiber link or loop. With the use of appropriate optical fiber cabling, this adapter provides the capability for a network of high-speed local and remote located storage.

The #5761 will auto-negotiate for the highest data rate between adapter and an attaching device at 1Gbps,
2Gbps, or 4Gbps of which the device or switch is capable. Distances of up to 500 meters running at 1Gbps data rate and up to 300 meters running at 2Gbps data rate and 4Gbps data rate up to 150 meters are supported between the adapter and an attaching device or switch. When used with IBM supported Fibre Channel storage switches supporting long-wave optics, distances of up to 10 kilometers are capable running at either 1Gbps or 2Gbps or 4Gbps data rates.

The #5761 can be used to attach devices either directly, or by means of Fibre Channel Switches. If attaching a device or switch with a SC type fiber connector, use of a #0371 LS-SC Adapter Kit (50um), or a #0372 LS-SC Adapter Kit (62.5um) is required.

Refer to the following IBM storage subsystem Web page for additional supported server attachment information for IBM devices.


Consult with your IBM representative or Business Partner for additional information relative to any third-party attachment.

- Attributes required: One available 3.3 volt PCI or PCI-X slot
- Attributes provided: One Port Fibre Channel Adapter that attaches External Tape Devices

For 9406-520: (#5761)
- Minimum required: 0
- Maximum allowed: 36 (Initial order maximum: 36)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#5761)
- Minimum required: 0
- Maximum allowed: 36 (Initial order maximum: 36)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#5761)
- Minimum required: 0
- Maximum allowed: 48 (Initial order maximum: 48)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#5761)
- Minimum required: 0
- Maximum allowed: 60 (Initial order maximum: 60)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(For #5775) — PCI-X Disk/Tape Ctlr-No IOP: Provides a PCI-X Disk/Tape SCSI Controller with zero write cache and without RAID support. Disk mirroring is supported through i5/OS. A maximum of six disk drives are supported on the #5775. Removable media devices (tape, optical libraries, DVD-ROM or DVD-RAM) are also supported on the #5775.

The #5775 has two U320 buses each with a bus data rate of up to 320MBs. Each SCSI bus can be either internal (using an internal port) or external (using an external port), but not both. There are four physical ports on the #5775, two internal and two external.

Internal devices connect to the internal ports (1 or 2). External devices connect to the external ports (1 or 2) and use an LVD (Low Voltage Differential) interface and VHDCI connectors. A #1850 VHDCI to P Converter Cable is available to connect to external devices with type P connectors.

#0647, #5736, and #5775 are physically the same adapter card but have different feature numbers to indicate to IBM configurator tools that an IOP is or is not being used in the configuration.

#5775 should be the choice over #0624/#0645 (#5702/#5712 IOP-less equivalent) or #5705/#5715 controllers for systems running V5R3, or later.

- Attributes provided: Two U320 SCSI VHDCI ports that may be either internal or external but not both.
- Attributes required: One available 3.3 volt PCI or PCI-X slot

For 9406-520: (#5775)
- Minimum required: 0
- Maximum allowed: 55 (Initial order maximum: 55)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, for 1.9GHz processors; i5/OS V5R4, or later, for 1.5/1.65GHz processors
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#5775)
- Minimum required: 0
- Maximum allowed: 109 (Initial order maximum: 109)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-560: (#5775)
- Minimum required: 0
- Maximum allowed: 160 (Initial order maximum: 160)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#5775)
- Minimum required: 0
- Maximum allowed: 240 (Initial order maximum: 240)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#5775)
- Minimum required: 0
- Maximum allowed: 864 (Initial order maximum: 864)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(For #5776) — PCI-X Disk Ctrlr-90MB No IOP: Provides a PCI-X SCSI disk controller that has a 90MB write cache and can provide RAID-5 or RAID-6 protection of disk units.

The #5776 has two U320 SCSI buses each with a bus data rate of up to 320MBs. A maximum of 12 internal disk drives and up to two internal removable media devices (tape, DVD-ROM, or DVD-RAM) are supported on the #5776.
A minimum of three disk drives are required for RAID-5, providing protection against a single drive failure in an array. A minimum of four disk drives are required for RAID-6, providing protection against up to two drives failing in an array.

#0648, #5737, and #5776 are physically the same adapter card but have different feature numbers to indicate to IBM configurator tools that an IOP is or is not being used in the configuration.

Note the #2780/#5580 and #2757/#5581 disk controllers with an effective 757MB write cache provide greater disk performance and can have an auxiliary write cache IOA to protect the write cache contents.

- Attributes provided: Two U320 SCSI VHDCI ports
- Attributes required: One available 3.3V long PCI or PCI-X slot

For 9406-520: (#5776)
- Minimum required: 0
- Maximum allowed: 31 (Initial order maximum: 31)
- OS level required: i5/OS V5R3, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later, AIX 5L for POWER V5.2 for IBM eServer, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#5776)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later, AIX 5L for POWER V5.2 for IBM eServer, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#5776)
- Minimum required: 0
- Maximum allowed: 240 (Initial order maximum: 240)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#5776)
- Minimum required: 0
- Maximum allowed: 480 (Initial order maximum: 480)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-520: (#6279)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later, AIX 5L for POWER V5.2 for IBM eServer, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6279)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later, AIX 5L for POWER V5.2 for IBM eServer, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#6279)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later, AIX 5L for POWER V5.2 for IBM eServer, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6279)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER, or later, AIX 5L for POWER V5.2 for IBM eServer, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(6586) — 160GB VXA-320 Tape Drive: #6279 160GB VXA-320 Tape Drive is a 5.25-inch, half-high, Ultra2 SCSI tape drive, which provides a high capacity for save/restore and archive functions. This tape drive uses VXA tape data cartridges and is compression capable, providing a capacity of up to 320GB.

Characteristics:
- Capacity: 160GB native mode, 320GB (typical) compression mode
- Form Factor: 5.25-inch, half-high
- Mounting type: Bolt-in (inside 520/550 system unit)
- Media: uses VXA tape data cartridges
- Technology: Helical scan, rotating head
- Operation: Streaming
- Data Transfer Rate: 12MBps native mode, 24MBps (typical) compression
- Interface: Ultra2 SCSI, 16-bit (wide), LVD and SE compatible
- Compatibility: VXA-320 and VXA-2 (read/write), VXA-1 (read only)
- Attributes provided: One 160GB VXA-320 tape drive
- Attributes required: One half-high media bay and one Ultra2 SCSI 16-bit address and #4278 cables.

(6586) — Modem Tray for 19-Inch Rack: This feature provides hardware for installing one or two modems in a 19-inch rack. The modem tray occupies 1U of rack space when it is mounted in the front of the rack. It provides a secure location in the rack for external modems.

- Attributes provided: Space for two modems
- Attributes required: 19-inch rack with 1U rack space available

For 9406-520: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No
For 9406-520: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6586)
- Minimum required: 0
- Maximum allowed: No Max (Initial order maximum: 250)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-520: (#6801)
- Minimum required: 0
- Maximum allowed: 36 (Initial order maximum: 36)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6801)
- Minimum required: 0
- Maximum allowed: 96 (Initial order maximum: 96)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#6801)
- Minimum required: 0
- Maximum allowed: 128 (Initial order maximum: 128)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6801)
- Minimum required: 0
- Maximum allowed: 160 (Initial order maximum: 160)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#6800) — PCI 1Gbps Ethernet UTP IOA: Provides a PCI-X IOA that does not require an IOP and allows a System i5 to attach to IEEE standard 802.3Z high speed (1Gbps) Ethernet LANs. The #6800 adapter supports a multimode fiber interface with a 62.5 micron or 50.0 micron cable requirement. The adapter has a duplex LC fiber-optic connector for attachment to customer-supplied cabling.

The #6800 only supports TCP/IP and requires an intervening switch/hub/router when connection to 100Mbps or 10Mbps networks.

#6800, #0620, and #5700 are physically the same adapter but have different feature numbers that denote to IBM configurator tools whether or not an IOP is required.

- Attributes provided: 1Gbps Ethernet LAN Interface
- Attributes required: One short or long, 3.3V or 5V PCI-X slot

For 9406-520: (#6800)
- Minimum required: 0
- Maximum allowed: 36 (Initial order maximum: 36)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6800)
- Minimum required: 0
- Maximum allowed: 96 (Initial order maximum: 96)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#6800)
- Minimum required: 0
- Maximum allowed: 128 (Initial order maximum: 128)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#6801) — PCI 1Gbps Ethernet UTP IOA: Provides a PCI-X IOA that does not require an IOP and allows a System i5 to attach to IEEE standard 802.3ab high-speed (1Gbps) Ethernet LANs. The adapter supports a UTP CAT 5 media interface.

The #6801 only supports TCP/IP and requires an intervening switch/hub/router when connection to 100Mbps or 10Mbps networks.

#6801, #0621, and #5701 are physically the same adapter card but have different feature numbers that denote to IBM configurator tools whether or not an IOP is required.

- Attributes provided: 1000/10/10 Ethernet LAN Interface
- Attributes required: One short or long, 3.3V or 5V PCI-X slot

For 9406-520: (#6801)
- Minimum required: 0
- Maximum allowed: 36 (Initial order maximum: 36)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6801)
- Minimum required: 0
- Maximum allowed: 96 (Initial order maximum: 96)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-570: (#6801)
- Minimum required: 0
- Maximum allowed: 128 (Initial order maximum: 128)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#6803) — PCI WAN for ECS: The #6803 is a WAN with modem adapter that provides connectivity for IBM Electronic Customer Support (ECS) only. This feature is the non-CIM (Complex Impedance Matching) version offered in all countries except Australia and New Zealand. #6803 is functionally equivalent to #0614/#2793/#9793, but #6803 indicates to IBM configurator tools that the IOA is being used by i5/OS in an IOP-less mode. When in IOP-less mode the adapter function is restricted to communicating to IBM ECS on port 0 (modem port). Port 1 is the RVX port and is not supported in an IOP-less mode.

Port 0 supports V.92 56K PPP, V.92 data modem and V.44 data compression. Port 0 does not provide Synchronous modem capabilities (SDLC and Synchronous PPP).

Select one of the following cables to attach to port 0 (modem port):
- #1010 Modem Cable — Austria
- #1011 Modem Cable — Belgium
- #1012 Modem Cable — Africa
The #6803 does not support the remote ring indicate function. This feature has country specific usage.

- Attributes provided: One integrated modem port for communication with IBM ECS
- Attributes required: One PCI slot (3 volt)

For 9406-520: (#6803)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-550: (#6803)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6803)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R4, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6864)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

For 9406-595: (#6863)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

#6863 — System i5 Slim-Line Doors: Provides front and rear doors for use with the model 595 24-inch primary rack. This slimline door kit provides a minimized footprint for use where conservation of space is desired. #6863 is functionally equivalent to #6251, but has the System i5 name and accent color.

- Attributes provided: Slim-Line Doors
- Attributes required: Model 595

For 9406-595: (#6863)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

#6864 — System i5 Acoustic Doors: Provides front and rear doors for use with the model 595 24-inch primary rack. This door kit provides additional acoustic dampening for use where a quieter environment is desired. #6864 results in a larger footprint and will require additional floor space. #6864 is functionally equivalent to #6252, but has the System i5 name and accent color.

- Attributes provided: Acoustic Doors
- Attributes required: Model 595

For 9406-595: (#6864)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7154) — Standard Edition for #0910: #7154 is a Standard Edition for a model 550 with server feature #0910 and processor feature #8312.

For 9406-550: (#7154)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial: Yes
- Return parts MES: No


For 9406-550: (#7155)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7180) — Acoustic Front Door: Provides a front door that has acoustic dampening capabilities for the model 520 deskside system. #7180 is functionally equivalent to #7753 Acoustic Front Door, but has the System i5 name and accent color.

- Attributes provided: Acoustic Front Door
- Attributes required: Model 520 Deskside System

For 9406-520: (#7180)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7181) — Easy-Access Front Cover: Provides a front cover that has an easy access bezel for the model 520 deskside system. #7180 is functionally equivalent to #7750 Easy-Access Front Cover, but has the System i5 name.

- Attributes provided: Front Cover with Easy Access Bezel
- Attributes required: Model 520 Deskside System

For 9406-520: (#7181)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7182) — 520 Rack Mount: Indicates this is a rack-mounted system unit. System will ship with IBM mounting rails for installation in an IBM standard 19-inch
Attributes required: Model 550 Deskside System
Attributes provided: Rack mounted model 520

For 9406-520: (#7182)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7183) — 550 Rack Mount: Indicates this is a rack-mounted system unit. System will ship with IBM mounting rails for installation in an IBM standard 19-inch rack. Rails are adjustable up to 29.25 inches depth. A front bezel is included. #7183 is functionally equivalent to #7886 550 Rack Mount, but the bezel has the System i5 name.

Attributes provided: Rack mounted model 550
Attributes required: Model 550

For 9406-550: (#7183)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7194) — Easy-Access Front Cover: Provides a front cover for the model 550 deskside system that has an easy access bezel. This feature is functionally equivalent to the #7751 Easy-Access Front Cover, but has the System i5 name.

Attributes provided: Front Cover with Easy Access Bezel
Attributes required: Model 550 Deskside System

For 9406-550: (#7194)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7197) — 570 Front Bezel: Provides a front bezel for the model 570. #7197 is functionally equivalent to the bezel previously provided without a feature code on the model 570, but has the System i5 name.

Attributes provided: Front Bezel
Attributes required: Model 570 Deskside System

For 9406-570: (#7197)
- Minimum required: 1
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7199) — Acoustic Front Door: Provides a front door that has acoustic dampening capabilities for the model 550 deskside system. #7199 is functionally equivalent to #7754 Acoustic Front Door, but has the System i5 name and accent color.

Attributes provided: Acoustic Front Door
Attributes required: Model 550 Deskside System

For 9406-550: (#7199)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: N/A
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7256) — 520 Enterprise Enablement: #7256 is ordered when additional 5250 OLTP capability is required on a model 520 Enterprise Edition or High Availability Edition server. One additional processor’s worth of 5250 OLTP capacity is authorized with each feature. This 5250 capacity can be used across multiple physical #8330 processors that have been permanently activated. An additional i5/OS license may also be required.

Attributes provided: Additional 5250 OLTP capability
Attributes required: Model 520 Enterprise Edition or High Availability Edition server

For 9406-520: (#7256)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7257) — 550 Enterprise Enablement: #7257 is ordered when additional 5250 OLTP capability is required on a model 550 Enterprise Edition, High Availability Edition or Solution Edition server. One additional processor’s worth of 5250 OLTP capacity is authorized with each feature. This 5250 capacity can be used across multiple physical #8312 processors that have been permanently activated. An additional i5/OS license may also be required.

Attributes provided: Additional 5250 OLTP capability

For 9406-550: (#7257)
- Minimum required: 0
- Maximum allowed: 3 (Initial order maximum: 3)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7258) — 570 Full Enterprise Enable: #7258 is ordered when complete 5250 OLTP capability is required for all permanently activated processor’s on 2/4-way, 4/8-way and 8/16-way model 570 Enterprise or High Availability Edition systems. Additional i5/OS licenses may be required.

Attributes provided: Complete 5250 OLTP capability
Attributes required: Model 570 Enterprise Edition or High Availability Edition system

For 9406-570: (#7258)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(7259) — 595 Full Enterprise Enable: #7259 is ordered when complete 5250 OLTP capability is required for all permanently activated processors on model 595 Enterprise Edition or High Availability systems. Additional i5/OS licenses may be required.
- Attributes provided: Complete 5250 OLTP capability
- Attributes required: Model 595 Enterprise Edition system
- For 9406-595: (#7259)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7260) — 570 Enterprise Enablement: #7260 is ordered when additional 5250 OLTP capability is required on a model 570 Enterprise Edition or High Availability Edition system. One additional processor’s worth of 5250 OLTP capacity is authorized with each feature. This 5250 capacity can be used across multiple physical #8338 processors that have been permanently activated. An additional i5/OS license may also be required.
- Attributes provided: Additional 5250 OLTP capability
- Attributes required: Model 570 Enterprise Edition or High Availability Edition server
- For 9406-570: (#7260)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7261) — 595 Enterprise Enablement: #7261 is ordered when additional 5250 OLTP capability is required on a model 595 Enterprise Edition or High Availability Edition system. One additional processor’s worth of 5250 OLTP capacity is authorized with each feature. This 5250 capacity can be used across multiple physical #8966 processors that have been permanently activated. An additional i5/OS license may also be required.
- Attributes provided: Additional 5250 OLTP capability
- Attributes required: Model 595 Enterprise Edition or High Availability Edition system
- For 9406-595: (#7261)
  - Minimum required: 0
  - Maximum allowed: 32 (Initial order maximum: 32)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7307) — Dual I/O Unit Enclosure: The #7307 enclosure provides the mounting hardware, with adjustable rails, required to install a #5790 I/O drawer in a #0551, #0553, #0554, or #0555 rack. The enclosure can accommodate two #5790 drawers, side by side, but it may also be used with only one #5790 drawer installed.
The #7307 and #7311 are functionally equivalent except the #7307 can be used in the #0554 and #0555 racks and has rails adjustable to 29.25 inches depth.
- Attributes provided: Rack mounting for two #5790 drawers
- Attributes required: Four EIA units of rack space in a #0551, #0553, #0554 or #0555 rack
- For 9406-520: (#7307)
  - Minimum required: 0
  - Maximum allowed: No Max (Initial order maximum: 250)
  - OS level required: N/A
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- For 9406-550: (#7307)
  - Minimum required: 0
  - Maximum allowed: No Max (Initial order maximum: 250)
  - OS level required: N/A
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7320) — 520 One Processor Activation: Ordering this feature results in an activation code that can be used to permanently activate one additional processor on a model 520 CUoD server with server feature #0906 and processor feature #8330.
- Attributes provided: One permanently activated processor
- Attributes required: Model 520 CUoD server
- For 9406-520: (#7320)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7323) — 550 One Processor Activation: Ordering this feature results in an activation code that can be used to permanently activate one additional processor on a model 550 CUoD server with server feature #0910 and processor feature #8312. One or more activation features can be ordered.
- Attributes provided: One permanently activated processor
- Attributes required: Model 550 CUoD server
- For 9406-550: (#7323)
  - Minimum required: 0
  - Maximum allowed: 3 (Initial order maximum: 3)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7341) — 550 On/Off Proc Day Billing: Once an On/Off Processor Enablement feature is ordered and the associated enablement code is entered into the system, you must report your on/off usage to IBM at least monthly. This information, used to compute your billing data, is then provided to your sales channel. The sales channel will place an order for a quantity of On/Off Processor Day Billing features and bill you. One #7341 should be ordered for each billable processor day.
• Attributes provided: Temporary use of a processor on a daily basis
• Attributes required: On/Off Processor Enablement feature

For 9406-550: (#7341)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 90)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: MES
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: 520 Value Edition
• Attributes required: Server feature #0975 and processor feature #8325

For 9406-520: (#7350)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: 520 Value Edition
• Attributes required: Server feature #0975 and processor feature #8327

For 9406-520: (#7352)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7355) — Accelerator for System i5: Provides additional processing capability for the model 520 with Value Edition, #7350.

• Attributes provided: Additional processing capability
• Attributes required: 9406 model 520

For 9406-520: (#7355)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7356) — Solution Edition for #0906: #7366 is a Solution Edition for a 9406 model 520 system with server feature #0906 and processor feature #8327.

This Solution Edition is used with qualifying ISV solution purchases to provide a more attractively priced total solution. The complete list of qualifying ISVs can be found on the Solution Edition Web site at http://www.ibm.com/servers/eserver/iseries/hardware/editions/soledition/

One enterprise enablement feature is included, providing one processor authorization of 5250 CPW.

• Attributes provided: Model 520 Solution Edition
• Attributes required: Server feature #0906 and processor feature #8327

For 9406-520: (#7366)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 520 High Availability Edition
• Attributes required: Server feature #0906 and processor feature #8327

For 9406-520: (#7373)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 520 High Availability Edition
• Attributes required: Server feature #0906 and processor feature #8327

For 9406-520: (#7374)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 520 High Availability Edition
• Attributes required: Server feature #0906 and processor feature #8327

For 9406-520: (#7375)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No

Return parts MES: No
CSU: Yes
Initial Order/MES/Both/Supported: Both
OS level required: i5/OS V5R3 with V5R3M5
Maximum allowed: 1 (Initial order maximum: 1)
Minimum required: 0

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Return parts MES: No

- Attributes provided: Model 595 Standard Edition
- Attributes required: Server feature #0940
  - For 9406-595: (#7480)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Both
    - CSU: Yes
    - Return parts MES: No

- Attributes provided: Model 595 Enterprise Edition
- Attributes required: Server feature #0940
  - For 9406-595: (#7481)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Both
    - CSU: Yes
    - Return parts MES: No

- Attributes provided: Model 595 Standard Edition
- Attributes required: Server feature #0941
  - For 9406-595: (#7482)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Both
    - CSU: Yes
    - Return parts MES: No

- Attributes provided: Model 595 Enterprise Edition
- Attributes required: Server feature #0941
  - For 9406-595: (#7483)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Both
    - CSU: Yes
    - Return parts MES: No

- Attributes provided: Model 595 Standard Edition
- Attributes required: Server feature #0943
  - For 9406-595: (#7486)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Both
    - CSU: Yes
    - Return parts MES: No

**(#7487) Enterprise Edition for #0943:** Provides an Enterprise Edition for a model 595 with server feature #0943 (32/64-way).
- Attributes provided: Model 595 Enterprise Edition
- Attributes required: Server feature #0943
  - For 9406-595: (#7487)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Both
    - CSU: Yes
    - Return parts MES: No

**(#7551) HA Edition for #0910:** Provides a High Availability Edition for a model 550 with server feature #0910 (1/4-way).
- Attributes provided: Model 550 High Availability Edition
- Attributes required: Server feature #0910
  - For 9406-550: (#7551)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Initial
    - CSU: Yes
    - Return parts MES: No

**(#7580) HA Edition for #0940:** Provides a High Availability Edition for a model 595 with server feature #0940 (8/16-way).
- Attributes provided: Model 595 High Availability Edition
- Attributes required: Server feature #0940
  - For 9406-595: (#7580)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Initial
    - CSU: Yes
    - Return parts MES: No

**(#7581) HA Edition for #0941:** Provides a High Availability Edition for a model 595 with server feature #0941 (16/32-way).
- Attributes provided: Model 595 High Availability Edition
- Attributes required: Server feature #0941
  - For 9406-595: (#7581)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Initial
    - CSU: Yes
    - Return parts MES: No

**(#7583) HA Edition for #0943:** Provides a High Availability Edition for a model 595 with server feature #0943 (32/64-way).
- Attributes provided: Model 595 High Availability Edition
- Attributes required: Server feature #0943
  - For 9406-595: (#7583)
    - Minimum required: 0
    - Maximum allowed: 1 (Initial order maximum: 1)
    - OS level required: i5/OS V5R3, or later
    - Initial Order/MES/Both/Supported: Initial
    - CSU: Yes
    - Return parts MES: No

Attributes provided: Model 595 Capacity Backup Edition

Attributes required: Server feature #0944

For 9406-595: (#7590)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#7618) — 570 One Processor Activation: Provides an activation code that can be used to permanently activate one additional processor on a model 570 CUoD server with processor feature #8338. One or more activation features can be ordered, up to the maximum for the server.

Attributes provided: One permanently activated processor

Attributes required: Model 570 CUoD server

For 9406-570: (#7618)
- Minimum required: 0
- Maximum allowed: 14 (Initial order maximum: 14)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#7620) — 520 On/Off Proc Enablement: This feature is ordered to enable On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

Attributes provided: Temporary use of a processor(s) is enabled

Attributes required: Server with Capacity on Demand processor(s) available

For 9406-520: (#7620)
- Minimum required: 0
- Maximum allowed: 250 (Initial order maximum: 0)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: MES
- CSU: Yes
- Return parts MES: No

(#7621) — 520 On/Off Proc Day Billing: Once an On/Off Processor Enablement feature is ordered and the associated enablement code is entered into the system, you must report your on/off usage to IBM at least monthly. This information, used to compute your billing data, is then provided to your sales channel. The sales channel will place an order for a quantity of On/Off Processor Day Billing features and bill you. One #7621 should be ordered for each billable processor day.

Attributes provided: Temporary use of a processor on a daily basis

Attributes required: On/Off Processor Enablement feature

For 9406-520: (#7621)
- Minimum required: 0
- Maximum allowed: 250 (Initial order maximum: 0)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: MES
- CSU: Yes
- Return parts MES: No

(#7622) — 520 Reserve Capacity Prepaid: Provides 30 processor-days of reserve capacity on a Capacity Upgrade on Demand (CUoD) server. To establish reserve capacity on the server, select a quantity of inactive processors to be placed in the server’s Shared Processor Pool as reserve processors. When the server recognizes that non-reserve processors (permanently activated processors) assigned and/or available to the uncapped partitions have been 100% utilized, a Processor Day (good for a 24-hour period) is subtracted from the prepaid amount of days.

Attributes provided: 30 processor-days of reserve capacity

Attributes required: CUoD server with Reserve Capacity on Demand enabled

For 9406-520: (#7622)
- Minimum required: 0
- Maximum allowed: 250 (Initial order maximum: 90)
- OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
- Initial Order/MES/Both/Supported: Both
- CSU: Yes
- Return parts MES: No

(#7624) — 570 On/Off Proc Day Billing: Once an On/Off Processor Enablement feature is ordered and the associated enablement code is entered into the system, you must report your on/off usage to IBM at least monthly. This information, used to compute your billing data, is then provided to your sales channel. The sales channel will place an order for a quantity of On/Off Processor Day Billing features and bill you. One #7624 should be ordered for each billable processor day.

Attributes provided: Internal use of a processor on a daily basis

Attributes required: On/Off Processor Enablement feature

For 9406-570: (#7624)
- Minimum required: 0
- Maximum allowed: 250 (Initial order maximum: 0)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: MES
- CSU: Yes
- Return parts MES: No


Attributes provided: Model 550 Domino Edition

Attributes required: Server feature #0910 and processor feature #8312

For 9406-550: (#7629)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Initial
- CSU: Yes
- Return parts MES: No

(#7630) — Solution Edition for #0910: Provides a Solution Edition for a model 550 with server feature #0910 and processor feature #8312. One Enterprise Enablement feature is included that provides one processor authorization of 5250 OLTP capability.

Attributes provided: Model 550 Solution Edition

Attributes required: Server feature #0910 and processor feature #8312

For 9406-550: (#7630)
- Minimum required: 0
- Maximum allowed: 1 (Initial order maximum: 1)
- OS level required: i5/OS V5R3, or later
- Initial Order/MES/Both/Supported: Initial
- CSU: Yes
• Return parts MES: No

(#7631) — Oracle’s JDE EntprrsOne: Provides a Solution Edition for a model 550 with server feature #0910 and processor feature #8312 for Oracle’s JD Edwards EnterpriseOne. One Enterprise Enablement feature is included that provides one processor authorization of 5250 OLTP capability.

• Attributes provided: Model 550 Solution Edition
• Attributes required: Server feature #0910 and processor feature #8312
• For 9406-550: (#7631)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No

(#7632) — C2CRM Solution Ed w/Domino: Provides a Solution Edition for a model 550 with server feature #0910 and processor feature #8312 for Clear Technologies for C2CRM with Domino. One Enterprise Enablement feature is included that provides one processor authorization of 5250 OLTP capability.

• Attributes provided: Model 550 Solution Edition
• Attributes required: Server feature #0910 and processor feature #8312
• For 9406-550: (#7632)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 550 Solution Edition
• Attributes required: Server feature #0910 and processor feature #8312
• For 9406-550: (#7640)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No

(#7641) — 4-Way SAP Solution Edition: Provides a Solution Edition for a model 550 with server feature #0910 and processor feature #8312 for SAP.

• Attributes provided: Model 550 Solution Edition
• Attributes required: Server feature #0910 and processor feature #8312
• For 9406-550: (#7641)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7663) — 570 1GB Mem Activation: Provides the activation of 1GB of additional Capacity on Demand memory. Multiple #7663 features are allowed up to the maximum CUoD memory of the server. Memory activations are stored in the server. If CUoD memory is moved to a different server, the additional activations remain with the original server.

• Attributes provided: 1GB of CUoD memory activated
• Attributes required: Server with CUoD memory available for activation.
• For 9406-570: (#7663)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7728) — 570 Reserve Capacity Prepaid: Provides 30 processor-days of reserve capacity on a Capacity on Demand server. To establish reserve capacity on the server, select a quantity of inactive processors to be placed in the server’s Shared Processor Pool as reserve processors. When the server recognizes that non-reserve processors (permanently activated processors) assigned and/or available to the uncapped partitions have been 100% utilized, a reserve processor is activated and a Processor Day (good for a 24-hour period) is subtracted from the prepaid amount of days.

• Attributes provided: 30 processor-days of reserve capacity
• Attributes required: Capacity Upgrade on Demand Server with Reserve Capacity on Demand enabled
• For 9406-570: (#7728)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 250)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 520 Enterprise Edition
• Attributes required: Server feature #0906 and processor feature #8327
• For 9406-520: (#7734)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 520 Enterprise Edition
• Attributes required: Server feature #0906 and processor feature #8327
• For 9406-520: (#7735)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 250)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 520 Enterprise Edition
• Attributes required: Server feature #0906 and processor feature #8330
• For 9406-520: (#7736)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No
• For 9406-520: (#7736)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#7738) — 570 Base Proc Activation: Provides an activation code that can be used to permanently activate one processor on a model 570 Capacity Upgrade on Demand system. One or more of these no-charge activation features can be ordered, depending on the configuration rules.

• Attributes provided: One permanently activated processor
• Attributes required: Capacity Upgrade on Demand system
• For 9406-570: (#7738)
  - Minimum required: 1
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No

(#7741) — 550 Reserve Capacity Prepaid: #7741 provides 30 processor-days of reserve capacity on a Capacity Upgrade on Demand (CUoD) server. To establish reserve capacity on the server, select a quantity of inactive processors to be placed in the server’s Shared Processor Pool as reserve processors. When the server recognizes that non-reserve processors (permanently activated processors) assigned and/or available to the uncapped partitions have been 100% utilized, a Processor Day (good for a 24-hour period) is subtracted from the prepaid amount of days.

• Attributes provided: 30 processor-days of reserve capacity
• Attributes required: CUoD server with Reserve Capacity on Demand enabled
• For 9406-550: (#7741)
  - Minimum required: 0
  - Maximum allowed: No Max (Initial order maximum: 250)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Enterprise Edition
• Attributes required: Server feature #0934 and processor feature #8338
• For 9406-570: (#7747)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Enterprise Edition
• Attributes required: Server feature #0935 and processor feature #8338
• For 9406-570: (#7748)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Enterprise Edition
• Attributes required: Server feature #0936 and processor feature #8338
• For 9406-570: (#7749)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Standard Edition
• Attributes required: Server feature #0934 and processor feature #8338
• For 9406-570: (#7757)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Standard Edition
• Attributes required: Server feature #0935 and processor feature #8338
• For 9406-570: (#7758)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Standard Edition
• Attributes required: Server feature #0936 and processor feature #8338
• For 9406-570: (#7759)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No


• Attributes provided: Model 570 Capacity Backup Edition
- Attributes provided: Redundant Power Regulation
- Attributes required: Model 570 Single Enclosure System
- For 9406-570: (#7768)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- Attributes provided: Model 570 High Availability Edition
- Attributes required: Server feature #0934 and processor feature #8338
- For 9406-570: (#7763)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: Does not apply

- Attributes provided: Model 570 High Availability Edition
- Attributes required: Server feature #0935 and processor feature #8338
- For 9406-570: (#7764)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- Attributes provided: Model 570 High Availability Edition
- Attributes required: Server feature #0936 and processor feature #8338
- For 9406-570: (#7765)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: Does not apply

(##7768) — CPU Power Regulator: Provides a redundant processor power regulator for the model 570 single enclosure system. One #7768 can be ordered to provide hot-plug redundant power regulation.
- Attributes provided: Redundant Power Regulation
- Attributes required: Model 570 Single Enclosure System
- For 9406-570: (#7768)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- Attributes provided: Model 520 Standard Edition
- Attributes required: Server feature #0906 and processor feature #8327
- For 9406-520: (#7784)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

- Attributes provided: Model 570 Standard Edition
- Attributes required: Server feature #0906 and processor feature #8330
- For 9406-520: (#7785)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R5 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(##7815) — 595 One Processor Activation: Ordering this feature results in an activation code that can be used to permanently activate one additional processor on a model 595 CUoD server with processor feature #8966. One or more activation features can be ordered, up to the maximum for the server.
- Attributes provided: One permanently activated processor
- Attributes required: Model 595 CUoD server
- For 9406-595: (#7815)
  - Minimum required: 0
  - Maximum allowed: 32 (Initial order maximum: 32)
  - OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

Note: 8/16-way = 8 max, 16/32-way = 16 max, 32/64-way = 32 max

(##7892) — 2GB DDR2 Main Storage: Provides 2GB of main storage and consists of four 512MB DDR2 DIMMs.
- Attributes provided: 2GB Main Storage
- Attributes required: Four available DIMM slots on a model 570 processor card
- For 9406-570: (#7892)
  - Minimum required: 1
  - Maximum allowed: 16 (Initial order maximum: 16)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: No
  - Return parts MES: No

(##7893) — 4GB DDR2 Main Storage: Provides 4GB of main storage and consists of four 1GB DDR2 DIMMs.
- Attributes provided: 4GB Main Storage
- Attributes required: Four available DIMM slots on a model 570 processor card
• For 9406-570: (#7893)
  - Minimum required: 0
  - Maximum allowed: 16 (Initial order maximum: 16)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: No
  - Return parts MES: No

Remarks: Provides 8GB of main storage and consists of four 2GB DDR2 DIMMs.

• Attributes provided: 8GB Main Storage
• Attributes required: Four available DIMM slots on model 570 processor card
• For 9406-570: (#7894)
  - Minimum required: 0
  - Maximum allowed: 16 (Initial order maximum: 16)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: No
  - Return parts MES: No

(#7894) — 8GB DDR2 Main Storage: Provides 8GB of main storage and consists of four 2GB DDR2 DIMMs.

• Attributes provided: Temporary use of a processor is enabled
• Attributes required: Server with Capacity on Demand processor available
• For 9406-595: (#7971)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 250)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: MES
  - CSU: Yes
  - Return parts MES: No

Remarks: Once an On/Off Processor Enablement feature is ordered, IBM enables your server for On/Off Capacity on Demand. You must order the feature before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: Temporary use of a processor is enabled
• Attributes required: Server with Capacity on Demand processor available
• For 9406-595: (#7972)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 250)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: MES
  - CSU: Yes
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: Temporary use of a processor is enabled
• Attributes required: On/Off Processor Enablement feature on model 595 with processor feature #8966
• For 9406-595: (#7972)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 250)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: MES
  - CSU: Yes
  - Return parts MES: No

Remarks: Provides 30 processor-days of reserve capacity on a Capacity Upgrade on Demand (CUoD) server. To establish reserve capacity on the server, select a quantity of inactive processors to be placed in the server’s Shared Processor Pool as reserve processors. When the server recognizes that non-reserve processors (permanently activated processors) assigned and/or available to the uncapped partitions have been 100% utilized, a Processor Day (good for a 24-hour period) is subtracted from the prepaid amount of days.

• Attributes provided: 30 processor-days of reserve capacity
• Attributes required: CUoD server with Reserve Capacity on Demand enabled
• For 9406-595: (#7975)
  - Minimum required: 0
  - Maximum allowed: 250 (Initial order maximum: 250)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 0/2-way POWER5+ Processor Card
• Attributes required: Model 550 system
• For 9406-550: (#8312)
  - Minimum required: 2
  - Maximum allowed: 2 (Initial order maximum: 2)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

Remarks: This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8325)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: Yes
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8327)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No

Remarks: This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No

Remarks: Provides a 1.9GHz 0/2-way POWER5+ processor card for the model 550. This feature is ordered to enable your server for On/Off Capacity on Demand. Once enabled, you can request processors on a temporary basis. You must sign an On/Off Capacity on Demand contract before you order this feature. Prior to reaching your enabled limit of usable temporary processor days, you may reorder this feature.

• Attributes provided: 1-way POWER5+ processor
• Attributes required: Model 520 system
• For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later
  - Initial Order/MES/Both/Supported: Initial
  - CSU: No
  - Return parts MES: No
POWER5+ processor with 36MB of L3 cache. It includes eight memory DIMM slots and a minimum of one memory feature (one pair of DDR2 DIMMs) is required.

- Attributes provided: 0/2-way POWER5+ processor
- Attributes required: Model 520 system

For 9406-520: (#8330)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX 5L for Power V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: No
  - Return parts MES: No

(#8338) — 570 2.2GHz Proc 0/2-Way: #8338 is a 0/2-way POWER5+ processor card for the model 570 and has 36MB of L3 cache. It includes eight memory DIMM slots and a minimum of one memory feature (one quad of DDR2 DIMMs) is required.

- Attributes provided: 0/2-way POWER5+ processor
- Attributes required: Model 570 system

For 9406-570: (#8338)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later, AIX 5L for Power V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, SUSE Linux Enterprise Server 9 for POWER or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: No
  - Return parts MES: No

(#8410) — 520 Base Proc Activation: Provides an activation code that can be used to permanently activate one processor on a model 520 CUoD system with server feature #0906 and processor feature #8330.

- Attributes provided: One permanently activated processor
- Attributes required: Model 520 CUoD system

For 9406-520: (#8410)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5 Machine Code, or later, AIX 5L for Power V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#8413) — 550 Base Proc Activation: This feature provides an activation code that can be used to permanently activate one processor on a model 550 system. One or more of these no-charge activation features can be ordered, depending on the configuration rules.

- Attributes provided: One permanently activated processor
- Attributes required: Capacity Upgrade on Demand system

For 9406-550: (#8413)
  - Minimum required: 1
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: i5/OS V5R3, or later, AIX 5L for Power V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#8457) — 595 Base Proc Activation: This feature provides an activation code that can be used to permanently activate one processor on a model 595 system. One or more of these no-charge activation features can be ordered, depending on the configuration rules.

- Attributes provided: One permanently activated processor
- Attributes required: Capacity Upgrade on Demand system

For 9406-595: (#8457)
  - Minimum required: 0
  - Maximum allowed: 32 (Initial order maximum: 32)
  - OS level required: i5/OS V5R3, or later, AIX 5L for POWER V5.2 for IBM eServer, or later, Red Hat Enterprise Linux AS for POWER Version 3, or later, SUSE Linux Enterprise Server 9 for POWER or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

Note: 8/16-way = 8 max, 16/32-way = 16 max, 32/64-way = 32 max

(#8470) — 570 Base 1GB Mem Activation: Activates 1GB of main storage on a model 570 system with Capacity on Demand memory. Depending on the on demand memory features ordered, several #8470s may also be ordered.

- Attributes provided: 1GB main storage activated
- Attributes required: Model 570 with CoD memory

For 9406-570: (#8470)
  - Minimum required: 0
  - Maximum allowed: 8 (Initial order maximum: 8)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: Yes
  - Return parts MES: No

(#8966) — 595 1.9GHz Proc 0/16-Way: Provides a 0/16-way POWER5™ processor book for the model 595. The 1.9 GHz processors are packaged on two 8-way Multi Chip Modules (MCMs). The first #8966 in the system provides seven HSL-2/RIO-G adapter slots and subsequent #8966s provide eight HSL-2/RIO-G adapter slots. The #8966 has 16 memory card slots and a minimum of four memory features (four memory cards) are required for each processor book.

- Attributes provided: 0/16-way POWER5 processor
- Attributes required: Model 595 system

For 9406-595: (#8966)
  - Minimum required: 0
  - Maximum allowed: 32 (Initial order maximum: 32)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - CSU: No
  - Return parts MES: No

Note: 8/16-way = 1 max, 16/32-way = 2 max, 32/64-way = 4 max

(#9299) — Base Enterprise Enablement: #9299 is placed on an order of an Enterprise Edition system to enable one
processor’s worth of 5250 OLTP capability. Multiple 
#9299’s may be on the order.

- Attributes provided: One processor’s worth of 5250 
  OLTP capability.
- Attributes required: Enterprise Edition server with 1.9GHz or 2.2GHz processor.
- For 9406-520: (#9299)
  - Minimum required: 0
  - Maximum allowed: 2 (Initial order maximum: 2)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No
- For 9406-550: (#9299)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No
- For 9406-570: (#9299)
  - Minimum required: 0
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No
- For 9406-595: (#9299)
  - Minimum required: 0
  - Maximum allowed: 4 (Initial order maximum: 4)
  - OS level required: i5/OS V5R3, or later
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No

(#9493) — Base PCI WAN for ECS: The #9493 is a WAN 
with modem adapter that provides connectivity for IBM 
Electronic Customer Support (ECS) only. This feature is 
the non-CIM (Complex Impedance Matching) version 
offered in all countries except Australia and New Zealand. 
#9493 is functionally equivalent to #0614/#2793/#9793, 
but #9493 indicates to IBM configurator tools that the IOA 
is being used by i5/OS in an IOP-less mode. When in 
IOP-less mode the adapter function is restricted to 
communicating to IBM ECS on port 0 (modem port). Port 
1 is the RVX port and is not supported in an IOP-less 
mode.

Port 0 supports V.92 56K PPP, V.92 data modem and V.44 
data compression. Port 0 does not provide Synchronous 
modem capabilities (SDLC and Synchronous PPP).

Select one of the following cables to attach to port 0 
(modem port):

- #1010 Modem Cable — Austria
- #1011 Modem Cable — Belgium
- #1012 Modem Cable — Africa
- #1013 Modem Cable — Israel
- #1014 Modem Cable — Italy
- #1015 Modem Cable — France
- #1016 Modem Cable — Germany
- #1017 Modem Cable — UK
- #1018 Modem Cable — Iceland/Sweden
- #1020 Modem Cable — HK/NZ
- #1021 Modem Cable — Fin/Nor
- #1022 Modem Cable — Netherlands
- #1023 Modem Cable — Swiss
- #1024 Modem Cable — Denmark
- #1025 Modem Cable — US/Canada

The #9493 does not support the remote ring indicate 
function. This feature has country specific usage.

- Attributes provided: One integrated modem port for 
  communication with IBM ECS
- Attributes required: One PCI slot (3 volt)
- For 9406-520: (#9493)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R3 with V5R3M5
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No
- For 9406-550: (#9493)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No
- For 9406-570: (#9493)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No
- For 9406-595: (#9493)
  - Minimum required: 0
  - Maximum allowed: 1 (Initial order maximum: 1)
  - OS level required: i5/OS V5R4, or later
  - Initial Order/MES/Both/Supported: Both
  - Return parts MES: No

Publications
No publications are shipped with the announced features.

Services

Integrated Technology Services

IBM services include business consulting, outsourcing, 
hosting services, applications, and other technology 
management.

These services help you learn about, plan, install, 
manage, or optimize your IT infrastructure to be an On 
Demand Business. They can help you integrate your 
high-speed networks, storage systems, application 
servers, wireless protocols, and an array of platforms, 
middleware, and communications software for IBM and 
many non-IBM offerings. IBM is your one-stop shop for 
IT support needs.

For details on available services, contact your IBM 
representative or visit

http://www.ibm.com/services/

For details on available IBM Business Continuity 
and Recovery Services, contact your IBM representative or visit

http://www.ibm.com/services/continuity

For details on education offerings related to specific 
products, visit


Select your country, and then select the product as the 
category.
Technical information

Physical specifications: Visit the System i5 planning Web site at

http://www.ibm.com/eserver/iseries/infocenter

Select Language, V5R3 or V5R4, then Plan for Hardware and Software.

Operating environment: Visit the System i5 planning Web site at

http://www.ibm.com/eserver/iseries/infocenter

Select Language, V5R3 or V5R4, then Plan for Hardware and Software.

Software requirements: IBM System i5 models with the advanced POWER5 processors require i5/OS V5R3, or later, AIX 5L for POWER V5.2 or later, Red Hat Enterprise Linux AS for POWER Version 4, or later, and SUSE Linux Enterprise Server 9 for POWER, or later. Some features may require updates.

For additional prerequisite information, visit

http://www-912.ibm.com/e_dir/eServerPrereq.nsf

Planning information

Cable orders: No cable orders required.

Supplies

• 80GB VXA-2 Tape Drive
  - Data cartridges (write and read):
    -- IBM V6 Data Cartridge (19P4878) 20GB
    -- IBM V17 Data Cartridge (19P4877) 59GB
    -- IBM V23 Data Cartridge (19P4876) 80GB
    -- IBM X6 Data Cartridge (24R2134) 20GB
    -- IBM X10 Data Cartridge (24R2136) 40GB
    -- IBM X23 Data Cartridge (24R2137) 80GB
  - Test and cleaning cartridges:
    -- IBM 20 Usage Cleaning Cartridge (19P4880)
    -- IBM 80 Usage Cleaning Cartridge (24R2138)
    -- IBM V6 Test Cartridge (19P4879)
    -- IBM X6 Test Cartridge (24R2135)

• 160GB VXA-320 Tape Drive
  - Data cartridges (write and read):
    -- IBM V23 Data Cartridge (19P4876) 80GB
    -- IBM X6 Data Cartridge (24R2136) 20GB
    -- IBM X10 Data Cartridge (24R2136) 40GB
    -- IBM X23 Data Cartridge (24R2137) 80GB
  - Test and cleaning cartridges:
    -- IBM 80 Usage Cleaning Cartridge (24R2138)
    -- IBM X6 Test Cartridge (24R2135)

1 Native capacities double with VXA-320 format

Sales and support

You can get assistance, answers to product-related questions, or arrange for a warranty product replacement—with just one call. To locate your nearest source for ordering IBM Media Products, call the following numbers worldwide:

888-IBM-MEDIA (888-426-6334) in the United States and Canada
+1-972-881-0733 in Latin America and Asia/Pacific
+31-433-502-756 in Europe, the Middle East and Africa
+81-3-3808-8486 in Japan

For additional product information and country-specific phone numbers, visit

http://www.ibm.com/storage/media

Security, auditability, and control

System i5 uses the security and auditability features of IBM i5/OS. Use of these facilities is optional. The security measures supplied by i5/OS are designed to reduce the risk of users changing or destroying data resources, but do not prevent it. The i5/OS security features include the use of passwords, a security option to limit a user to only functions provided by customer-designed menus, and a security option to limit read/write access for files, libraries, and folders during normal operations. To achieve increased security, the i5/OS controls should be combined with physical security, division of duties, and other appropriate measures.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to put you on the road to higher systems availability. Electronic Services is a Web-enabled solution that provides an exclusive, no-additional-charge enhancement to the service and support on the IBM System i5. You should benefit from greater system availability due to faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: IBM Electronic Services news page and IBM Electronic Service Agent™.

Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent is a no-additional-charge software that resides on your IBM System i5. It monitors events and transmits system inventory information to IBM on a periodic, customer-defined timetable. The Electronic Service Agent tracks system inventory, hardware error logs, and performance information. If the server is under the IBM warranty period, the Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to provide proactive service that maintains higher system availability and performance. In addition, information collected through the Service Agent are made available to IBM service support representatives when they help answer your questions or diagnose problems. To take full advantage of Electronic Services on an IBM System i5 running AIX 5L, clients should install Service Agent under AIX 5L to assist in reporting AIX operating system-related problems.
To learn how Electronic Services can work for you, visit
http://www.ibm.com/support/electronic

Terms and conditions

Feature section

Same license terms and conditions as designated machine.

Prices

Features and specify codes

<table>
<thead>
<tr>
<th>Description</th>
<th>Feature number</th>
<th>Purchase price</th>
<th>MMMC</th>
<th>ESA 24x7</th>
<th>CSU</th>
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<td>Sys Console — Ethernet Imbed</td>
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<td>Sys Console — Ethernet noIOP</td>
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<td>Integrated Cache — 4MB</td>
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<td>Integrated Cache — 8MB</td>
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<td>PCI-X Disk/Tape Ctrl w/100P</td>
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<td>PCI-X Disk Ctrl-90M No IOP</td>
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<td>1Gbps BaseT Ethernet(4-Port)</td>
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<td>PCI-X Fibre Channel Disk Ctrl</td>
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<td>PCI-X Fibre Channel Tape Ctrl</td>
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<td>PCI 1Gbps Ethernet 10A</td>
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<td>System i5 Slim-Line Doors</td>
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<td>System i5 Acoustic Doors</td>
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<td>Standard Edition for #0910</td>
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<td>Enterprise Edition for #0910</td>
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<td>Easy-Access Front Cover</td>
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<td>520 Rack Mount</td>
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