



IBM System Storage Productivity Center Version 1.5 (2805-MC5) with new server and software updates

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At a glance

Highlights for the IBM® System Storage® Productivity Center V1.5 (Machine type 2805 Model MC5) include:

- Quad-Core Intel® Xeon® Westmere-EP E5630 (2.53 GHz/12M-LLC DDR3 1066MHz 80W)
- 8 GB of RAM
- Two 2.5-inch, 300-GB hard disk drives, each with a speed of 10K
- Optional Host Bus Adaptor Qlogic QLE2562 8 GB Dual port card
- Microsoft® Windows® Server 2008 R2 64-bit Standard Edition
- IBM Tivoli® Storage Productivity Center 4.2.1
- IBM DS CIM agent management commands (DSCIMCLI) 5.5.0.3
- IBM DS3000, DS4000™, and DS5000 series Storage Manager 10.70
- Optional secondary power supply

Overview

The System Storage Productivity Center provides an IBM Tivoli Storage Productivity Center footprint in data centers where the IBM storage devices are installed. IBM Tivoli Storage Productivity Center is a suite of products that provides management, reporting, and analysis functionality across the storage environment for complex data centers from a single management console. IBM System Storage Productivity Center V1.5 (Machine type 2805 Model MC5) is a customized IBM x86 server preinstalled with IBM software. System Storage Productivity Center can be ordered preloaded with IBM Tivoli Storage Productivity Center Basic Edition V4.2.1. The software is licensed separately from the System Storage Productivity Center.

Key prerequisites

IBM System Storage Productivity Center (Machine type 2805) is preinstalled with IBM Tivoli Storage Productivity Center Basic Edition. The purchase of the System Storage Productivity Center does not include the license to use this software or to receive software support.

System Storage Productivity Center with feature number 0018, 0019, or 0020 requires a software entitlement to one of the following:

- IBM Tivoli Storage Productivity Center Basic Edition

- IBM Tivoli Storage Productivity Center for Disk
- IBM Tivoli Storage Productivity Center for Disk Midrange Edition
- IBM Tivoli Storage Productivity Center for Data
- IBM Tivoli Storage Productivity Center for Replication Two Site Business Community
- IBM Tivoli Storage Productivity Center for Replication Three Site Business Community
- IBM Tivoli Storage Productivity Center Standard Edition

Failure to purchase the appropriate IBM software license may result in lack of software technical support. Operating system technical support is offered with a separately purchased IBM Support Line contract.

The server warranty is included in the purchase price of the System Storage Productivity Center.

Planned availability date

December 3, 2010

Description

This System Storage Productivity Center release uses a newer server model with the same hardware configuration as the previous release. The preloaded software has also been upgraded. System Storage Productivity Center can be ordered preloaded with IBM Tivoli Storage Productivity Center Basic Edition.

Professional services for the System Storage Productivity Center are offered when preloaded with IBM Tivoli Storage Productivity Center Basic Edition. This offering includes planning, installation, configuration, testing, and skills transfer.

Tivoli Storage Productivity Center Version 4.2.1

Tivoli Storage Productivity Center can reduce the complexity of managing storage environments by centralizing, simplifying, and automating storage tasks associated with storage systems, storage networks, and host systems. Tivoli Storage Productivity Center V4.2.1 provides complete support of IBM Storwize V7000 V1.0 and IBM System Storage DS8800 R6.

Tivoli Storage Productivity Center for Disk and Tivoli Storage Productivity Center for Disk Midrange Edition both offer a complete set of performance management functions for Storwize V7000, including monitoring, historic reporting, and trending.

IBM Tivoli Storage Productivity Center Basic Edition benefits include:

- A storage topology viewer for a complete view of storage and server connectivity
- Asset and capacity reporting to improve storage utilization
- Problem determination assistance
- Storage complexity reduction and interoperability improvements
- Device discovery automation
- Existing device utility extension
- Server consolidation assistance

Storage optimization and advanced SAN planning functions to support Storwize V7000 are also available in Tivoli Storage Productivity Center Standard Edition. Replication on Storwize V7000 is supported in Tivoli Storage Productivity Center for Replication.

System Storage Productivity Center V1.5, together with DB2® Enterprise Server Edition 9.7, offers significant increases in data protection, scalability, and performance for database intensive operations as data is managed more effectively and efficiently. Greater availability is delivered through enhancements such as online, automated database reorganization. In addition, the increased scalability and the ability to leverage the latest in server technology helps deliver increased performance of backup and recovery processes.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Product number

Description	Machine type	Model	Feature number
System Storage Productivity Center	2805	MC5	
IBM Tivoli Storage Productivity Center order via PA			0017
IBM Tivoli Storage Productivity Center order via AAS/eConfig			0018
Existing IBM Tivoli Storage Productivity Center customer			0019
Ordering IBM Tivoli Storage Productivity Center other than Basic Edition			0020
Power Cords:			
- Power Cord, Standard Rack			1170
- Power Cord, Group 1, United States, Canada, Bahamas, Barbados, Bermuda, Bolivia, Brazil, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Jamaica, Japan, Japan (PDS), Korea, Mexico, Netherlands Antilles, Panama, Phil			1171
- Power Cord, Group 2, Brazil. 125V, 10A			1172
- Power Cord, Group 3, Belgium, Finland, France, Indonesia, Korea			1173
- Power Cord, Group 4, Denmark			1174
- Power Cord, Group 5, United Kingdom			1175
- Power Cord, Group 6, Israel			1176
- Power Cord, Group 7, Switzerland			1177
- Power Cord, Group 8, Pakistan, South Africa			1178
- Power Cord, Group 9, Chile, Italy			1179
- Power Cord, Group 10, Argentina, Australia, New Zealand			1180
- Power Cord, Group 11, Thailand			1181
- Power Cord, Group 12, Uruguay			1182
- Power Cord, Group 13, China			1183
- Power Cord, Group 14, India			1184
- Power Cord, Group 15, Brazil, 250V, 10A			1185

- Power Cord, Group 16, Korea	1186
- Power Cord, Group 17, Taiwan	1187
- Power Cord, Group 18, Japan	1188
- Power Cord, Group 19, US, Chicago	1189
Dual Power Supply Option	1810
HBA Fiber Card	3570
Hard Drive option	5190
Software Recover option	9010
Console Keyboard/Display/Drawer	9100

Publications

The following publications are shipped with the product.

Title	Order number	Part number
IBM System Storage Productivity Center Introduction and Planning Guide	SC23-8824	
IBM System Storage Productivity Center Users Guide	SC27-2336	
Read This First flyer	GI11-8938	45W7246
IBM Warranty Information flyer	SC27-2495	45W5653
Rack Installation Instructions		69Y3925
Important Notices		60Y1730
IBM Systems Environmental Notices and User Guide		80Y1103
IBM System x3550 M3 Type 7944 Problem Determination and Service Guide		69Y4056
IBM System x3550 M3 Type 7944 Installation and User's Guide		69Y4055
Safety Information guide (multilingual)		45D6431
IBM System Storage Productivity Center Documentation CD	SCD7-1477	45W7247

IBM Systems Information Center provides a single information center to access product documentation for IBM systems hardware, operating systems, and server software. Through a consistent framework, information can be found and access personalized. The IBM Systems Information Center is at

<http://publib14.boulder.ibm.com/infocenter/systems>

IBM Publications Center Portal

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive

search facilities are provided, as well as payment options via credit card. A large number of publications are available online in various file formats, which can currently be downloaded free of charge.

The following publications will be available after planned availability.

Title	Order number	Part number
IBM System Storage Productivity Center Introduction and Planning Guide	SC23-8824	
IBM System Storage Productivity Center Users Guide	SC27-2336	
Read This First flyer	GI11-8938	45W7246
Rack Installation Instructions		69Y3925
Important Notices		60Y1730
IBM System x3550 M3 Type 7944 Problem Determination and Service Guide		69Y4056
IBM System x3550 M3 Type 7944 Installation and User's Guide		69Y4055
Safety Information guide (multilingual)		45D6431
IBM System Storage Productivity Center Documentation CD	SCD7-1477	45W7247

Services

Global 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

<http://www.ibm.com/services/learning/index.html>

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

Specified operating environment

Physical specifications

System Storage Productivity Center (machine type 2805)

Server dimensions:

- Width: 440 mm (17.3 in)
- Depth: 711 mm (28.0 in)
- Height: 43 mm (1.7 in)

Approximate shipping dimensions and weight:

- Single pack dimensions: 838.20 x 590.55 x 95.00 mm (33 x 23.25 x 9.5 in)
- Single pack weight: 18.44 kg (40 lbs)
- Quantity per pallet: 10
- Pallet load dimensions: 1016.00 x 1219.20 x 1397.00 mm (40 x 48 x 55 in)
- Pallet load weight: 204.12 kg (450 lbs)
- Estimated safe stacking: 2 high

To assure installability and serviceability in non-IBM industry-standard racks, review the installation planning information for any product-specific installation requirements.

Operating environment

- Temperature:
 - 10.0 to 35.0° C (50 to 95° F) (Server on)
 - 5 to 45° C (41 to 113° F) (Server off)
- Relative humidity:
 - 20% to 80% (Server on)
 - 8% to 80% (Server off)
- Input voltage low range: 100 to 127 (nominal) V ac
- Input voltage high range: 200 to 240 (nominal) V ac
- Sine-wave input: 47 to 63 Hz
- Input kilovolt-amperes (kVA) (approximately):
 - Minimum configuration: 0.09 kVA
 - Maximum configuration: 0.70 kVA
- Btu output:
 - Minimum configuration: 662 Btu/hr (194 watts)
 - Maximum configuration: 2302 Btu/hr (675 watts)
- Acoustical noise level emission level: Sound power levels
 - 6.1 bels (idling)
 - 6.1 bels (operating)

Software requirements

IBM System Storage Productivity Center (Machine type 2805) is preinstalled with IBM Tivoli Storage Productivity Center Basic Edition. The purchase of the System Storage Productivity Center does not include the license to use this software or to receive software support.

System Storage Productivity Center with feature number 0018, 0019, or 0020 requires a software entitlement to one of the following:

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- IBM Tivoli Storage Productivity Center for Replication Three Site Business Community
- IBM Tivoli Storage Productivity Center Standard Edition

Failure to purchase the appropriate IBM software license may result in lack of software technical support. Operating system technical support is offered with a separately purchased IBM Support Line contract.

No single support entry point exists for the System Storage Productivity Center package of products. If the issue requires software support assistance, and IBM customer number for Tivoli Storage Productivity Center, SAN Volume Controller, Support Line for Windows Operating System, or Support Line for Storage is required.

The server warranty is included in the purchase price of the System Storage Productivity Center.

IBM Support Line

To determine the IBM Support Line offerings in your country, go to

<http://www-03.ibm.com/services/supline/products/java2.html>

Planning information

You are responsible for downloading or obtaining from IBM, and installing designated Machine Code (microcode, basic input/output system code (called "BIOS"), utility programs, device drivers, and diagnostics delivered with an IBM machine) and other software updates in a timely manner from an IBM Internet Web site or from other electronic media, and following the instructions that IBM provides. You may request IBM to install Machine Code changes; however, you may be charged for that service.

Cable orders

No cables required.

Security, auditability, and control

This product uses the security and auditability features of host hardware.

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

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, and/or integration of this product.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The 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 no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

<http://www.ibm.com/support/electronic>

Terms and conditions

Warranty period

One year

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature which replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature is the same as the machine it is installed.

Extended warranty service

This product is provided with one year of standard warranty. No extended warranty services are provided.

Warranty service

If required, IBM provides repair or exchange service depending on the types of warranty service specified for the machine. IBM will attempt to resolve your problem over the telephone, or electronically via an IBM Web site. Certain Machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines on-site service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. If applicable to your product, parts considered Customer Replaceable Units (CRUs) will be provided as part of the machine's standard warranty service.

Service levels are response-time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country and location-specific information.

CRU and On-site Service

At IBM's discretion, you will receive specified CRU service, or IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

Service level is:

- 24 hours per day, 7 days a week, 6 hour average, same day response. Same day service level includes the installation of Tier 1 CRUs at no additional charge.

Non-IBM parts service

Warranty service

IBM is now shipping machines with selected non-IBM parts that contain an IBM field replaceable unit (FRU) part number label. These parts are to be serviced during the IBM machine warranty period. IBM is covering the service on these selected non-IBM parts as an accommodation to their customers, and normal warranty service procedures for the IBM machine apply.

Warranty service upgrades

During the warranty period, warranty service upgrades provide an enhanced level of On-site Service for an additional charge. Service levels are response-time objectives and are not guaranteed. See the Warranty services section for additional details.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM Web site. Certain Machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines on-site service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

Maintenance service options

CRU and On-site Service

At IBM's discretion you will receive CRU service or IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose. The following on-site response-time objectives are available as warranty service upgrades for your machine. Available offerings are:

- 24 hours per day, 7 days a week, 6 hour average, same day response.
ESA and SSU customers: 2 hour coverage extension at no additional charge, 9 hours per day, Monday through Friday, excluding holidays, same business day response. Calls must be received by 12:00 local time in order to qualify for same business day response.

Customer Replaceable Units (CRUs) may be provided as part of the machine's standard warranty CRU Service except that you may install a CRU yourself or request IBM installation, at no additional charge, under the CRU and On-site Service level specified above. For additional information on the CRU Service, see the warranty information.

Maintenance services

If required, IBM provides repair or exchange service depending on the types of maintenance service specified for the machine. IBM will attempt to resolve your problem over the telephone or electronically, via an IBM Web site. Certain Machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines on-site service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed. The specified level of maintenance service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country and location-specific information. The following service selections are available as maintenance options for your machine type.

Non-IBM parts service

Under certain conditions, IBM provides services for selected non-IBM parts at no additional charge for machines that are covered under warranty service upgrades or maintenance services.

This service includes hardware problem determination (PD) on the non-IBM parts (for example, adapter cards, PCMCIA cards, disk drives, memory) installed within IBM machines and provides the labor to replace the failing parts at no additional charge.

If IBM has a Technical Service Agreement with the manufacturer of the failing part, or if the failing part is an accommodations part (a part with an IBM FRU label), IBM may also source and replace the failing part at no additional charge. For all other non-IBM parts, customers are responsible for sourcing the parts. Installation labor is provided at no additional charge, if the machine is covered under a warranty service upgrade or a maintenance service.

Warranty service upgrades

Usage plan machine

No

IBM hourly service rate classification

Three

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

Maintenance service offerings

This machine is eligible under terms and conditions of IBM ServiceElite, the IBM Enterprise Service Agreement (ESA), or the IBM Maintenance Agreement. Consult your IBM representative for details.

Field-installable features

Yes

Model conversions

No

Machine installation

Installation is performed by IBM. IBM will install the machine in accordance with the IBM installation procedures for the machine. In the United States, contact IBM at 1-800-IBM-SERV (426-7378). In other countries, contact the local IBM office. For more information, use the following website

<http://www.ibm.com/planetwide>

Customers can have a Systems Services Representative configure their Tivoli Storage Productivity Center Element Manager. The System Storage Productivity Center Installation planning worksheet must be completed prior to the scheduled installation.

Graduated program license charges apply

No

Licensed internal code and licensed machine code

This product does not contain Licensed Internal Code or Licensed Machine Code.

Europe Business Partner terms and conditions

Category: The products are added to the discount categories A.

Exhibit: The products are added to the Storage product exhibit.

Pricing

For all local charges, contact your IBM representative.

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

<http://www.ibm.com/financing>

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Financing solutions from IBM Global Financing can help you stretch your budget and affordably acquire the new product. But beyond the initial acquisition, our end-to-end approach to IT management can also help keep your technologies current, reduce costs, minimize risk, and preserve your ability to make flexible equipment decisions throughout the entire technology life cycle.

Announcement countries

All European, Middle Eastern, and African countries.

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<http://www.ibm.com/legal/us/en/>

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

<http://www.ibm.com/planetwide/>