IBM PureFlex System offers new optional features

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At a glance

New PureFlex™ System features include:

- PureFlex System Express® Expansion Indicator (#EFD6)
- PureFlex System Standard Expansion Indicator (#EFD7)
- PureFlex System Enterprise Expansion Indicator (#EFD8)
- PureFlex System Express Indicator (#EFD1) on the IBM Flex System™ p460 compute node
- PureFlex System Express Indicator (#EFD3) on the IBM Flex System p260 compute node

Overview

New optional features are now available on selected PureFlex System products.

- IBM Flex System p260, p460, and p24L compute nodes
  - PureFlex System Express Indicator (#EFD1 -- on p460 only)
  - PureFlex System Enterprise Indicator (#EFD3 -- on p260 only)
  - PureFlex System Express Expansion Indicator (#EFD6)
  - PureFlex System Standard Expansion Indicator (#EFD7)
  - PureFlex System Enterprise Expansion Indicator (#EFD8)
- IBM Flex System x240 compute node, IBM Flex System Enterprise Chassis, PureFlex System 42U rack, and IBM® BNT® RackSwitch™ Models 48E and 64C
  - PureFlex System Express Expansion Indicator (#EFD6)
  - PureFlex System Standard Expansion Indicator (#EFD7)
  - PureFlex System Enterprise Expansion Indicator (#EFD8)

In addition, new PureFlex Express, Standard, and Enterprise configuration options are now available, including:

- IBM Flex System V7000 storage node (4939-A49)
- IBM Flex System p260 compute node (7895-23X)
- New front door for the PureFlex System 42U rack (7953-94X)
- IBM Flex System x220 compute node (7906-25X)
- IBM Flex System x440 compute node (7917-45X)
Key prerequisites

For individual feature requirements refer to the appropriate Sales Manual.

Planned availability date

December 10, 2012

Description

The PureFlex System Enterprise is now available on the IBM Flex System p260 compute node (7895-22X) as indicated with feature number EFD3.

The PureFlex System Enterprise requirements when ordering the IBM Flex System p260 compute node are:

1 x Flex System p260 compute node (7895-22X) with the following features:

- 1 x #EPR1, #EPR3, or #EPR5 Processor Module
- 8 x #8491 with #EPR1 or 16 x #8491 with #EPR3 or #EPR5 Processor Activations
- 4 or 8 x #EEMD 64 GB Minimum Memory with #EPR1; 128 GB Minimum Memory with #EPR3/#EPR5
- 1 x #1762 IBM Flex System EN4054
- 1 x #1764 IBM Flex System FC3172
- 1 x #4646 Integrate ITE in Chassis
- 1 x #4651 Rack Indicator, Rack #1
- 1 x #4681 Chassis specify, Chassis #1
- 1 x #5005 Software Preinstall
- 1 x #2145 or #2146 or #2147 Operating System Indicator
- 1 x #0265 or #0266 or #0267 Partition Specify
- 1 x #7067 Top Cover, No HDDs or SSDs
- 8/16 x #5228 PowerVM® Enterprise (per core)
- 1 x #ESC0 Shipping and Handling (no charge)
- 1 x #ED21-#ED2E Installation/User Guide
- 1 x #EFD3 or #EFD4/#EFD8 PureFlex System Order Indicator

Note: #1762 and #1764 are always required in the configuration. #EEMD, #5227, and #7067 are minimums and can be replaced. #0566 or #0567 is required with #2145.

The PureFlex System Express is now available on the IBM Flex System p460 compute node (7895-42X) as indicated with feature number EFD1.

The PureFlex System Express requirements when ordering the IBM Flex System p460 compute node are:

1 x Flex System p460 compute node (7895-42X) with the following features:

- 1 x #EPR2 or #EPR4 or #EPR6 Processor Module
- 16 x #8491 with #EPR2 or 32 x #8491 with #EPR4 or #EPR6 Processor Activations
- 8 or 16 x #EEMD 128 GB Minimum Memory with #EPR2; 256 GB Minimum Memory with #EPR4/#EPR6
- 2 x #1762 IBM Flex System EN4054
- 2 x #1764 IBM Flex System FC3172
- 1 x #2145 or #2146 or #2147 Operating System Indicator
- 1 x #0265 or #0266 or #0267 Partition Specify
Note: #1762 and #1764 are always required in the configuration. #EEMD, #S227, and #7005 are minimums and can be replaced. #0566 or #0577 is required with #2145.

The IBM Flex System V7000 storage node (4959-A49) is now available as a replacement for the Storwize® V7000 disk system (2076-124) in the PureFlex System minimum configuration requirements.

Select either the IBM Flex System V7000 storage node (4939-A49) or the Storwize V7000 disk system (2076-124). You cannot select both.

The PureFlex System requirements when ordering the IBM Flex System V7000 storage node are:

1 x IBM Flex System V7000 storage node (4939-A49) with the following features:

1 x #4646 \hspace{1cm} \text{Integrate ITE in Chassis}
1 x #4651 \hspace{1cm} \text{Rack Indicator, Rack #1}
1 x #4681 \hspace{1cm} \text{Chassis Specify, Chassis #1}
1 x #5005 \hspace{1cm} \text{Software Preinstall}
1 x #7005 \hspace{1cm} \text{Top Cover, No HDDs or SSDs}
16 or 32 x #S227 \hspace{1cm} \text{PowerVM Standard (per core)}
1 x ED21-ED2E \hspace{1cm} \text{Installation/User Guide}
1 x ESC0 \hspace{1cm} \text{Shipping and Handling (no charge)}
1 x EF01 or EF04/EF06 \hspace{1cm} \text{PureFlex System Order Indicator}

Note: 2 x #AD41 (with EFD1 and EFD2) or 4 x #AD41 (with EFD3) are defaulted, not required, on an order and can be replaced by #AD43. #AD23 is defaulted and can be replaced by #AD24, #AD21, or #AD32. #AD23, #AD24, #AD21, or #AD32 must be on an order. If more than 24 SSDs and HDDs are on an order, 4939-A29 must be added to the order.

If fewer than 24 SSDs and HDDs are on the order, #AD0Z must then be ordered in quantity of 24 minus total quantity of SSDs and HDDs ordered. #EFD4 does not require feature #9170. #EFD4 requires #9171 or #9172.

Note: There is no HDD requirement when the 7863-10X, 7906-25X, or 7917-45X is selected.

A new 64 GB memory feature (#EEMF) is now available on the IBM Flex System p260, p460, and p24L compute nodes, doubling their memory capacity. The following memory features are now available on these compute nodes:

- #8146 8 GB (2 x 4 GB DIMMs)
- #EEMD 16 GB (2 x 8 GB DIMMs) 4 Gb DDR3 System Memory replaces #8199
- #EEME 32 GB (2 x 16 GB DIMMs) 4 Gb DDR3 System Memory replaces #8145
- #EEMF 64 GB (2 x 32 GB DIMMs) 4 Gb DDR3 System Memory

A new triplex front door in blue color (#EU21) is now available on the PureFlex System 42U rack, replacing the current front door (#EC06), which is being withdrawn.
Accessibility by people with disabilities

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


Product number

The following are newly announced features on the specific models of the IBM Power Systems™ 1455, 1457, 7863, 7893, 7895, 7953 machine type:

New features

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Publications

No publications are shipped with this expansion.

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.

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**Planning information**

**Cable orders**

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**Security, auditability, and control**

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### Terms and conditions

**Field-installable feature**
Yes

**Warranty period**
Three-year limited warranty.

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 that 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 are the same as those for the machine in which it is installed.

**Customer setup**
Yes

**Machine code**
Same license terms and conditions as base machine.

### Prices

For all local prices, contact your IBM representative.

### Announcement countries

All European, Middle Eastern, and African countries.

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