






# IBM PureFlex™ System with POWER7+ Quick Reference Guide





July 2013

					
		PureFlex System	Flex System Chassis	Flex System p260	Flex System p460
		<b>IBM PureFlex System Express</b>	<b>IBM PureFlex System Standard</b>	<b>IBM PureFlex System Enterprise</b>	
IBM PureFlex System 42U Rack		1	1	1	
Compute nodes required		1 p260 or 1 p24L	1 p260 or 1 p460 or 1 p24L	2 p460 or 2 p24L	
IBM Flex System p260 Compute Node (7895-22x)		Optional	Optional	Optional	
IBM Flex System p460 Compute Node (7895-42x)		Optional	Optional	Optional	
IBM Flex System PowerLinux p24L Compute Node (1457-7FL)		Optional	Optional	Optional	
Operating Systems Supported		AIX 6 AIX 7 IBM i 6.1 IBM i 7.1 RHEL 5 & 6 SLES 11	AIX 6 AIX 7 IBM i 6.1 IBM i 7.1 RHEL 5 & 6 SLES 11	AIX 6 AIX 7 IBM i 6.1 IBM i 7.1 RHEL 5 & 6 SLES 11	
IBM Flex System Enterprise Chassis		1	1	1	
IBM Flex System Fabric EN4093 10Gb Scalable Switch		1	1	2 with both port-count upgrades	
IBM Flex System FC3171 8Gb SAN Switch		1	2	2	
Chassis power supplies (std/max)		2 / 6	4 / 6	6 / 6	
Chassis 80 mm fan modules (std/max)		4 / 8	6 / 8	8 / 8	
IBM Flex System Manager Node		1	1	1	
IBM Flex System Manager software license		Flex System Manager with 1-year service and support	Flex System Manager Advanced with 3-year service and support	Flex System Manager Advanced with 3-year service and support	
Chassis Management Module		2	2	2	
IBM Storwize® V7000 Disk System		Yes (redundant controller) 2 SDD 8 HDD	Yes (redundant controller) 2 SDD 16 HDD	Yes (redundant controller) 4 SDD 16 HDD	
IBM Storwize V7000 Software		Base with 1-year software maintenance agreement	Base with 3-year software maintenance agreement	Base with 3-year software maintenance agreement	
Virtualization Software <sup>2</sup>		PowerVM Standard PowerVM Enterprise (optional)	PowerVM Enterprise	PowerVM Enterprise	
Security Software		PowerSC (AIX only)	PowerSC (AIX only)	PowerSC (AIX only)	
Cloud Software		SmartCloud Entry (optional)	SmartCloud Entry	SmartCloud Entry	
Expert Integrated Deployment Services		Remote planning and start-up including inventory, discovery and setup, initial configuration of storage and management	Includes all Express elements plus virtual server provisioning, Simplify workload deployment and skills transfer	Includes all Express and Standard elements plus configuration of system pools, Populate virtual appliance and simplify network & cloud integration	
MTS Services		3 years with 1 microcode analysis per year	3 years with 1 microcode analysis per year Account Advocate 9x5 support	3 years with 2 microcode analysis per year Account Advocate 24x7 support	

1. Only supports Linux operating systems.
2. PowerLinux p24L compute nodes are supported by IBM PowerVM for IBM PowerLinux

# IBM PowerLinux Quick Reference Guide

July 2013

				
	<b>PowerLinux™ 7R1</b>	<b>PowerLinux 7R2</b>	<b>PowerLinux 7R4</b>	
System package	2U, 19" rack	2U, 19" rack	<b>5U, 19" rack</b>	
# of processor sockets	1	2	<b>4</b>	
POWER7+ Processor	3.6 GHz - 4	3.6 GHz - 16	<b>3.5 GHz - 16, 32</b>	
Options	4.2 GHz - 6	4.2 GHz - 16	<b>4.0 GHz - 16, 32</b>	
GHz - # of cores	4.2 GHz - 8			
Min - max. memory (1066 MHz DIMMs)	32 - 256 GB	32 - 512 GB	<b>64 GB - 1 TB Max 256GB per socket</b>	
Max CEC disk/SSD bays / TB storage	6 / 5.4 TB	6 / 5.4 TB	<b>6 / 5.4 TB</b>	
System Unit PCIe Gen2 slots	5 PCIe LP <sup>3</sup>	5 PCIe LP <sup>3</sup>	<b>6 PCIe</b>	
Max GX++ slots	1	2	<b>2</b>	
Max 12X I/O PCIe drwrs	N/A	2	<b>4</b>	
Max Ultra SSD drwrs	N/A	1	<b>2</b>	
Max disk bays w/ I/O drawers	N/A <sup>4</sup>	378	<b>1302</b>	
Max PCIe slots w/ 12X PCIe I/O drawers	5 PCIe LP <sup>3</sup>	4 PCIe LP <sup>3</sup> and <b>20 PCIe</b>	<b>46 PCIe</b>	
AIX <sup>®</sup> rPerf Ranges	N/A	N/A	<b>N/A</b>	
IBM i CPW Ranges	N/A	N/A	<b>N/A</b>	
Capacity on Demand	N/A	N/A	<b>N/A</b>	
Warranty	3-yr 9x5, next business day	3-yr 9x5, next business day	<b>3-yr 9x5, next business day</b>	
Max partitions	160	320	<b>640</b>	
IBM i level & tier	N/A	N/A	<b>N/A</b>	
AIX level & group	N/A	N/A	<b>N/A</b>	
Linux support	SLES 11 SP2 RHEL 6.4	SLES 11 SP2 RHEL 6.4	<b>SLES 11 SP2 RHEL 6.4</b>	
PowerVM™ Express	IBM PowerVM for IBM PowerLinux	IBM PowerVM for IBM PowerLinux	<b>IBM PowerVM for IBM PowerLinux</b>	
PowerVM Standard	N/A	N/A	<b>N/A</b>	
PowerVM Enterprise	N/A	N/A	<b>N/A</b>	
Systems Director Editions (w/VMControl)	Optional	Optional	<b>Optional</b>	
Machine type - model	8246-L1T 8246-L1D <sup>4</sup>	8245-L2T 8246-L2D <sup>4</sup>	<b>8248-L4T</b>	







<sup>3</sup> Not included in the five PCIe Gen2 x8 system slots is an additional dedicated PCIe Gen2 x4 PCIe slot for LAN adapter usage.

<sup>4</sup> There are two models, the "D" (8246-L1D/L2D) and the "T" (8246-L1T/L2T). The "T" models offer expanded storage of up to 102 disk bays.

<sup>7</sup> This system is provided with a one year standard warranty. For your convenience, IBM has provided two additional years of extended warranty services (with 9x5 coverage).

# IBM POWER7+® Systems Express Quick Reference Guide

July 2013

						
	Power® 710 Express	Power 720 Express	Power 730 Express	Power 740 Express	Power 750 Express Used in Watson <sup>5</sup>	
System package	2U, 19" rack	4U, 19" rack or tower	2U, 19" rack	4U, 19" rack	5U, 19" rack	
# of processor sockets	1	1	2	1 or 2	1, 2, 3, 4	
POWER7+ Processor Options GHz - # of cores	3.6 GHz - 4 4.2 GHz - 6 4.2 GHz - 8	3.6 GHz - 4 3.6 GHz - 6 3.6 GHz - 8	4.3 GHz - 8 4.2 GHz - 12 3.6 GHz - 6 4.2 GHz - 16	4.2 GHz - 6, 12 3.6 GHz - 8, 16 4.2 GHz - 8, 16	3.5 GHz 8, 16, 24, 32 4.0 GHz 8, 16, 24, 32	
Min - max. memory (1066 MHz DIMMs)	8 - 256 GB	4-core 8 - 64 GB 6- or 8-core 8 - 512 GB	8 - 512 GB	1-socket 8 - 512GB 2-sockets 8 - 1024 GB	32 GB - 1 TB Max 256GB per socket	
Max CEC disk/SSD bays / TB storage	6 / 5.4 TB	8 / 7.2 TB	6 / 5.4 TB	8 / 7.2 TB	6 / 5.4 TB	
System Unit PCIe Gen2 slots	5 PCIe LP <sup>3</sup>	5 PCIe <sup>3</sup> + 4 PCIe LP (opt.)	5 PCIe LP <sup>3</sup>	5 PCIe <sup>3</sup> + 4 PCIe LP (opt.)	6 PCIe	
Max GX++ slots	1	1 <sup>1</sup>	2	1 socket = 1 <sup>1</sup> 2 sockets = 2 <sup>1</sup>	1 socket = NA 2-4 sockets = 2	
Max 12X I/O PCIe drawers <sup>1,2</sup>	N/A	4-core = NA 6- or 8-core = 2	2	1 socket = 2 2 socket = 4	1 socket = NA 2-4 sockets = 4	
Max Ultra SSD drawers <sup>1</sup>	1/2	1	1	2	2	
Max disk bays w/ I/O drawers	102	380	378	416	1302	
Max PCIe slots w/ 12X PCIe I/O drawers	5 PCIe LP <sup>3</sup>	25 PCIe <sup>3</sup>	5 PCIe LP <sup>3</sup> and 20 PCIe	45 PCIe <sup>3</sup>	46 PCIe	
AIX® rPerf Ranges	53.9 - 115.5	53.9 - 102.4	120.4 - 223.1	90.6 - 223.1	104.5 - 397.7	
IBM i CPW Ranges	28,400 - 64,500	28,400 - 56,300	59,700 - 117,600	49,000 - 120,000	52,000 - 208,000	
Capacity on Demand	N/A	N/A	N/A	N/A	N/A	
Warranty	3-yr 9x5, next business day for 8231-E2D  1-yr 9x5, next business day for 8268-E1D	3-yr 9x5, next business day	3-yr 9x5, next business day	3-yr 9x5, next business day	1-yr 9x5 NBD with 3-yr 24x7 service standard in most countries <sup>7</sup>	
Max partitions	160	160	320	320	640	
IBM i level & tier	6.1.1 <sup>6</sup> , 7.1 Small -P05 (4-core) P10 (6- or 8-core)	6.1.1 <sup>6</sup> , 7.1 Small -P05 (4-core) P10 (6- or 8-core)	6.1.1 <sup>6</sup> , 7.1 Small - P20	6.1.1 <sup>6</sup> , 7.1 Small - P20	6.1.1 <sup>6</sup> , 7.1, Small - P20	
AIX level & group	6.1, 7.1 Small	6.1, 7.1 Small	6.1, 7.1 Small	6.1, 7.1 Small	6.1, 7.1 Small	
Linux support	SLES 11 SP2 RHEL 6.4	SLES 11 SP2 RHEL 6.4	SLES 11 SP2 RHEL 6.4	SLES 11 SP2 RHEL 6.4	SLES 11 SP2 RHEL 6.4	
PowerVM™ Express	Optional	Optional	Optional	Optional	Optional	
PowerVM Standard	Optional	Optional	Optional	Optional	Optional	
PowerVM Enterprise	Optional	Optional	Optional	Optional	Optional	
Systems Director Editions (w/VMControl)	Optional	Optional	Optional	Optional	Optional	
Machine type - model	8231-E1D 8268-E1D <sup>8</sup>	8202-E4D	8231-E2D	8205-E6D	8408-E8D	

1 The GX++ slot on the Power 720 Express server and the first GX++ slot on the Power 740 Express server are not available if the optional four PCIe low profile slots are used.

2 Not shown are PCI-X I/O drawers and their PCI-X slots which are supported on the Power 720, 730, 740, but are withdrawn from marketing

3 Not included in the five PCIe Gen2 x8 system slots is an additional dedicated PCIe Gen2 x4 PCIe slot for LAN adapter usage

4 There are two models, the "D" (8246-L1D/L2D) and the "T" (8246-L1T/L2T). The "T" models offer expanded storage of up to 102 disk bays.

5 The original Watson used a POWER7 750. The POWER7+ 750 shown here offers faster processors, more memory and additional I/O options.



6 IBM i 6.1 is a client partition under 7.1 or VIOS (no native I/O) on POWER7+. Feature #EB34 will provide native 6.1 I/O support for 710/720/730/740 only (not available on 750.)

7 This system is provided with a one year standard warranty. For your convenience, IBM has provided two additional years of extended warranty services plus an upgrade to 24x7 coverage.

8. The Power 710 model 8268-E1D is only available in selected countries.

# IBM POWER7<sup>+</sup>® Systems Family Quick Reference Guide

July 2013

					
	<b>Power 760</b>	<b>Power 770</b>	<b>Power 780</b>	<b>Power 795</b>	
System package	5U, 19" rack	4U / node, 19" rack (1 - 4 nodes)	4U / node, 19" rack (1 - 4 nodes)	24" system frame (1 - 8 processor books)	
# of processor sockets	1, 2, 3, 4	4, 8, 12, 16	4, 8, 12, 16	4 - 32	
Processor Options GHz : # of cores	<b>POWER7+</b> 3.1 GHz : 12, 24, 36, 48 3.4 GHz : 12, 24, 36, 48 Min 8 cores active	<b>POWER7+</b> 3.8 GHz: 16, 32, 48, 64 4.2 GHz: 12, 24, 36, 48 Min 4 cores active	<b>POWER7+</b> 3.7 GHz: 32, 64, 96, 128 4.4 GHz: 16, 32, 48, 64 Min 4 cores active	<b>POWER7</b> 3.7 GHz : 24, 48, 72, 96, 120, 144, 178, 192 4.0 GHz : 32, 64, 96, 128, 160, 192, 225, 256 4.25 GHz (TurboCore <sup>1</sup> ) : 24, - 128	
Min - max. memory (min Active) 1066 MHz DIMMs	32 GB - 2 TB 100% active Max 512GB per socket	64 GB - 4 TB Min 32 GB active Max 1 TB per node	64 GB - 4 TB Min 32 GB active Max 1 TB per node	64 GB - 16 TB Min 32 GB active Max 2 TB per book	
Max CEC disk/SSD bays / TB storage	6 / 5.4 TB	Max per node 6 / 5.4 TB Max per sys 24 / 26.6 TB	Max per node 6 / 5.4 TB Max per sys 24 / 7.2 TB	Use I/O drawers	
Max CEC Gen2 PCI slots	6 PCIe Gen 2	6 PCIe per node 24 per system	6 PCIe per node 24 per system	Use I/O drawers	
Max GX++ slots	1 socket = NA 2-4 sockets = 2	2 per node 8 per system	2 per node 8 per system	4 per processor book 32 per system	
Max 12X PCIe I/O drws <sup>4</sup>	4 (with 2-4 sockets)	16 (max 4 per node)	16 (max 4 per node)	32 (max 4 per processor book)	
Max Ultra SSD I/O drws	2	8 (max 2 per node)	8 (max 2 per node)	NA	
Max disk bays with I/O drawers	1302	3024	3024	4032	
Max PCIe slots w/ 12X PCIe I/O drawers <sup>4</sup>	46	184	184	640	
AIX <sup>®</sup> rPerf Ranges	142.1 - 507.8	184.2 - 729.3	245.7 - 1,380.2	273.5 - 2978.1	
IBM i CPW Ranges	69,800 - 274,000	90,000 - 379,300	123,500 - 829,800	149,100 and up <sup>2</sup>	
Capacity on Demand options	Processor CUoD	CUoD, Elastic, Utility, Trial for processor & memory	CUoD, Elastic, Utility, Trial for processor & memory	CUoD, Elastic, Utility, Trial for processor & memory	
Warranty	1-yr 9x5 NBD with 3-yr 24x7 service standard in most countries <sup>5</sup>	1-yr 9x5, next business day	1-yr 24x7, same day	1-yr 24x7, same day	
Max partitions	960	1000	1000	1000	
IBM i level & tier	6.1.1 <sup>3</sup> , 7.1, Medium - P30	6.1.1 <sup>3</sup> , 7.1, Medium - P30	6.1.1 <sup>3</sup> , 7.1, Large - P50	6.1.1, 7.1 Large - P50	
AIX level & group	6.1, 7.1 Medium	6.1, 7.1 Medium	6.1, 7.1 Large	6.1, 7.1 Large	
Linux support	SLES 11 SP2 RHEL 6.4	SLES 10 SP3 SLES 11 RHEL 5.5, 6.0	SLES 10 SP3 SLES 11 RHEL 5.5, 6.0	SLES 10 SP3 SLES 11 SP1 RHEL 5.5, 6.0	
PowerVM <sup>™</sup> Express	N/A	N/A	N/A	N/A	
PowerVM Standard	Optional	Optional	Optional	Optional	
PowerVM Enterprise	Optional	Optional	Optional	Optional	
Systems Director Editions (w/VMControl)	Optional	Optional	Optional	Optional	
Machine type - model	9109-RMD	9117-MMD	9179-MHD	9119-FHB	

1 Each Power 795 4.0 GHz processor book has four sockets, with each socket having eight POWER7 processor cores. If run in optional TurboCore mode at 4.25 GHz, half the cores in each socket are available. The 795 can be run in either MaxCore mode or TurboCore mode

2 CPW value shown for a 24-core 3.7 GHz configuration. Use IBM Systems Workload Estimator at <http://www.ibm.com/systems/support/tools/estimator> to configure larger systems.






3 IBM i 6.1 is a client partition under 7.1 or VIOS (no native I/O) on POWER7+. Feature #EB34 will provide native 6.1 I/O support for 770/780 only (not available on 760.)

4 Not shown are PCI-X I/O drawers and their PCI-X slots which are supported on the Power 770, 780 and 795, but are withdrawn from marketing

5 This system is provided with a one year standard warranty. For your convenience, IBM has provided two additional years of extended warranty services plus an upgrade to 24x7 coverage.

# IBM POWER7® Systems Express Blades Quick Reference Guide

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	<b>BladeCenter® PS700 Express</b>	<b>BladeCenter PS701 Express</b>	<b>BladeCenter PS702 Express</b>	<b>BladeCenter PS703 Express</b>	<b>BladeCenter PS703 Express</b>
System package	Blade Server / BladeCenter	Blade Server / BladeCenter	Blade Server / BladeCenter	Blade Server / BladeCenter	Blade Server / BladeCenter
# of processor sockets	1	1	2	2	2
Processor Options - GHz (cores/socket) - # of cores	<b>3.0 GHz</b> (4-core) 4	<b>3.0 GHz</b> (8-core) 8	<b>3.0 GHz</b> (8-core) 16	<b>2.4 GHz</b> (8-core) 16	<b>2.4 GHz</b> (8-core) 16
Min - max. memory (clock freq MHz)	8 - 64 GB (1066)	16 - 128 GB (1066)	32 - 256 GB (1066)	<b>16 - 256 GB (1066)</b>	<b>16 - 256 GB (1066)</b>
<b>Max CEC disk bays / GB/TB storage</b>	2 / 1.2 TB	1 / 600 GB	2 / 1.2 TB	1 / 600GB	1 / 600GB
Max CEC PCI slots	<u>Expansion Cards</u> 1 PCIe ClOv 1 PCIe CFFh	<u>Expansion Cards</u> 1 PCIe ClOv 1 PCIe CFFh	<u>Expansion Cards</u> 2 PCIe ClOv 2 PCIe CFFh	<u>Expansion Cards</u> 1 PCIe ClOv 1 PCIe CFFh	<u>Expansion Cards</u> 1 PCIe ClOv 1 PCIe CFFh
Max GX adapter slots	N/A	N/A	N/A	N/A	N/A
Max 12X I/O PCIe drawers	N/A	N/A	N/A	N/A	N/A
Max disk bays w/ I/O drawers	2 + 12 bays if BladeCenter S	1 + 12 bays if BladeCenter S	2 + 12 bays if BladeCenter S	1 + 12 bays if BladeCenter S	1 + 12 bays if BladeCenter S
Max PCI slots w/ 12X PCIe I/O drawers	N/A	N/A	N/A	N/A	N/A
AIX® rPerf Ranges	45.1	81.2	154.3	<b>134.1</b>	<b>134.1</b>
IBM i CPW Ranges	21,100	42,100	76,300	64,000	64,000
Capacity on Demand options	N/A	N/A	N/A	N/A	N/A
Warranty	3-yr 9x5, next business day	3-yr 9x5, next business day	3-yr 9x5, next business day	3-yr 9x5, next business day	3-yr 9x5, next business day
Max partitions	40	80	160	160	160
IBM i level & tier	6.1.1, 7.1 Small – P05	6.1.1, 7.1 Small – P10	6.1.1, 7.1 Small – P10	6.1.1, 7.1 Small – P10	6.1.1, 7.1 Small – P10
AIX level & group	6.1, 7.1 Small	6.1, 7.1 Small	6.1, 7.1 Small	6.1, 7.1 Small	6.1, 7.1 Small
Linux support	SLES 10 SP3 SLES 11 SP1 RHEL 5.5, 6.0	SLES 10 SP3 SLES 11 SP1 RHEL 5.5, 6.0	SLES 10 SP3 SLES 11 SP1 RHEL 5.5, 6.0	SLES 10 SP4 SLES 11 SP1 RHEL 5.6, 6.0	SLES 10 SP4 SLES 11 SP1 RHEL 5.6, 6.0
PowerVM™ Express	Optional	Optional	Optional	Optional	Optional
PowerVM Standard	Optional	Optional	Optional	Optional	Optional
PowerVM Enterprise	Optional	Optional	Optional	Optional	Optional
Systems Director Editions (w/VMControl)	Optional	Optional	Optional	Optional	Optional
Machine type - model	8406-70Y	8406-71Y	8406-71Y	7891-73X	7891-73X

RAS and other features	BladeCenter PS700 - PS703	PowerLinux 7R1	PowerLinux 7R2	PowerLinux 7R4	Power 710	Power 720	Power 730	Power 740	Power 750	Power 760	Power 770	Power 780	Power 795
Redundant / Hot Swap Fans & Blowers	Std In chassis	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Hot Swap Disk Bays / Media	N/A	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Hot Swap PCI Adapters	N/A	N/A	N/A	Std	N/A	N/A	N/A	N/A	Std	Std	Std	Std	Std
Concurrent Firmware Update	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Redundant / Hot Swap Power Supplies	Std in chassis	Opt	Std	Std	Opt	Opt	Std	Std	Std	Std	Std	Std	Std
Dual disk controllers (split backplane for AIX)	N/A	N/A	N/A	Std	N/A	Opt	N/A	Opt	Std	Std	Std	Std	N/A
Processor Instruction Retry / Alternate Processor Recovery	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Storage Keys (AIX only)	Std	N/A	N/A	N/A	Std	Std	Std	Std	Std	Std	Std	Std	Std
NEBS compliant	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PowerVM Live Partition Mobility / Live Application Mobility	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
PowerVM Active Memory™ Sharing <sup>2</sup>	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Dual VIOS	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Active Memory Expansion	Opt	N/A	N/A	N/A	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Redundant Service Processors	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Std <sup>3</sup>	Std <sup>3</sup>	Std
Redundant System Clocks	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Std <sup>3</sup>	Std <sup>3</sup>	Std
Dynamic Processor Sparing	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Opt	Opt	Opt
Memory Sparing	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Opt	Opt	Opt
Hot GX Adapter Add and Cold Repair	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Std	Std	Std
Cold-node Repair	Hot-swap Blades	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Std <sup>3</sup>	Std <sup>3</sup>	Std
Hot-Node Add, Hot-Node Repair, Memory Upgrade	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Std <sup>3</sup>	Std <sup>3</sup>	Std <sup>3</sup>
Dynamic System Clock Failover	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Std <sup>3</sup>	Std <sup>3</sup>	Std
Chipkill Memory with Dynamic Bit Steering	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Active Memory Mirroring for Hypervisor	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Opt	Std	Std
Management (IVM/HMC/SDMC)	I/S	I/H/S	I/H/S	I/H/S	I/H/S	I/H/S	I/H/S	I/H/S	I/H/S	I/H/S	H/S	H/S	H/S
Power System Pools Participation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Opt	Opt

2 Active Memory Sharing requires AIX 6.1 TL3, IBM i 6.1 or SUSE Linux Enterprise Server 11 for Power, or later.

The IBM Power Systems home page on the Internet can be found at: [ibm.com/systems/power/](http://ibm.com/systems/power/)

3 Requires two or more nodes. [Fred Langner-Lind <f.langner@sysback.de>](mailto:Fred.Langner-Lind@sysback.de)

See the Power Systems™ Facts and Features document for POWER7 servers (POB03022-USEN-00) for more detailed information

For more benchmark results, see [http://www.ibm.com/systems/power/hardware/reports/system\\_perf.html](http://www.ibm.com/systems/power/hardware/reports/system_perf.html)

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