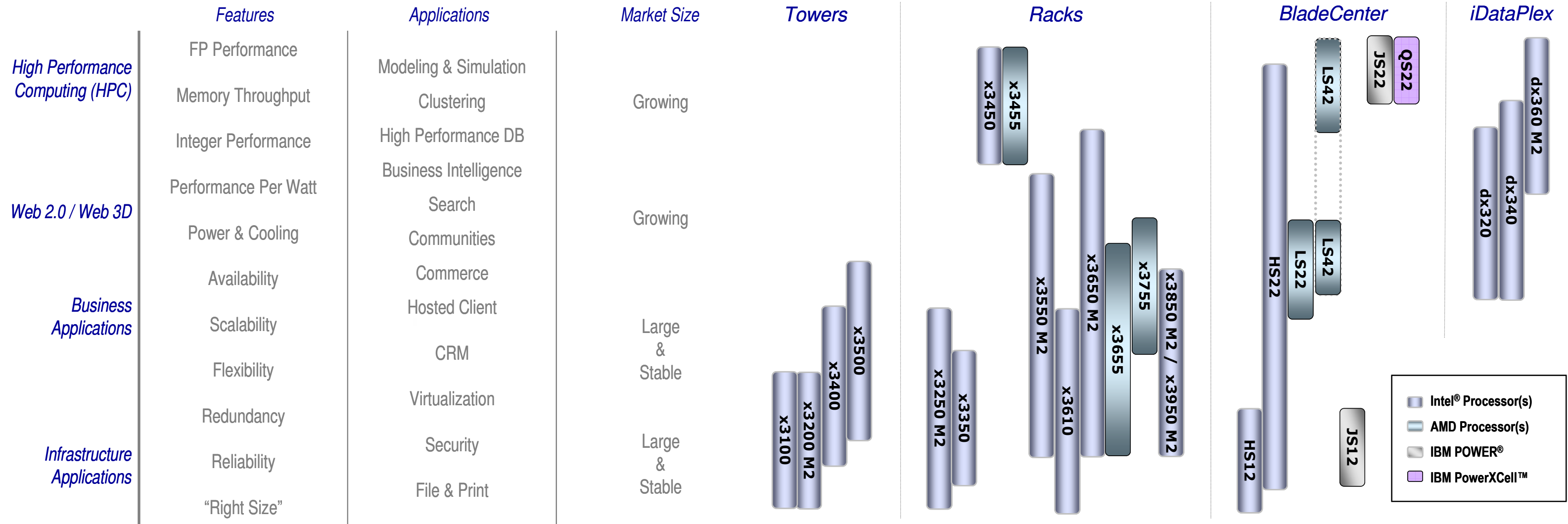


IBM System x® and BladeCenter® Positioning Map



Attribute	Towers				Rack-Optimized Servers										Blade Servers						iDataPlex Servers				
	x3100	x3200 M2	x3400	x3500	x3250 M2	x3350	x3450	x3455	x3550 M2	x3610	x3650 M2	x3655	x3755	x3850 M2	x3950 M2	HS12	HS22	LS22	LS42	JS12	JS22	QS22	dx320	dx340	dx360 M2
Positioning	(Selected Growth Markets) Entry Small-Business Server	Reliable Entry Server	Value Enterprise Server	Business-Critical All-in-one Server	Entry Infrastructure Server	High-Availability Infrastructure Server	High Performance Intel® Compute Node	High-Performance AMD® Compute Node	Business-Critical Compact Application Server	(Selected Growth Markets) Affordable Application and Infrastructure Server	Flagship Business Critical Expandable Server	Entry 2U AMD Server	Entry 4-Socket General Purpose AMD Server	Commercial Enterprise & Mid-Market Intel Server	High-Performance Scalable Data Center Server	General-Purpose 1-Socket Enterprise Intel Blade Server	Workhorse Versatile Blade with Breakneck Speed	High-Performance AMD Blade Server	Scalable Enterprise Performance AMD Blade Server	Infrastructure 1-Socket POWER® Blade Server	Commercial/Enterprise/Midmarket 2-Socket POWER Blade Server	HPC Cell/B.E.Blade Server	Ultra Energy-Efficient Solution for Large Data Centers	Power and Cooling Solution for Large Data Centers	Low-Cost Cluster/Grid.HPC Environment
Form Factor	Tower	Tower (rackable 5U)	Tower (rackable 5U)	Tower (rackable 5U)	1U Rack	1U Rack	1U Rack	1U Rack	1U Rack	2U Rack	2U Rack	2U Rack	4U Rack	4U Rack	4U - 16U Rack	1 Bay (30mm)	1 Bay (30mm)	1 Bay (30mm)	2 Bay (60mm)	1 Bay (30mm)	1 Bay (30mm)	1 Bay (30mm)	1U Tray in a 2U Chassis	1U Tray in a 2U or 3U Chassis	1U Tray in a 2U Chassis
Processor Type	Intel Xeon® (dual-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	AMD Opteron® (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	AMD Opteron (quad-core)	AMD Opteron (quad-core)	Intel Xeon (six-core)	Intel Xeon (six-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)	AMD Opteron (quad-core)	AMD Opteron (quad-core)	IBM POWER6 (dual-core)	IBM POWER6 (quad-core)	IBM POWERXCell™ 8i	Intel Xeon (quad-core)	Intel Xeon (quad-core)	Intel Xeon (quad-core)
Processor Sockets / Max. Cores	1 / 2	1 / 4	2 / 8	2 / 8	1 / 4	1 / 4	2 / 8	2 / 8	2 / 8	2 / 8	2 / 8	2 / 8	4 / 16	4 / 16	4 - 16 / 24 - 96	1 / 4	2 / 8	2 / 8	4 / 16	1 / 2	2 / 8	2	2 / 8	2 / 8	2 / 8
HDD Type	SATA (Fixed)	SAS & SATA (SS & HS)	SAS & SATA (SS & HS)	SAS & SATA (HS)	SAS & SATA (SS & HS)	SAS & SATA (SS & HS)	SATA (SS)	SAS & SATA (Fixed)	SAS, SATA, SSD (HS)	SAS/SATA (HS)	SAS, SATA, SSD (HS)	SAS & SATA (HS)	SAS (HS)	SAS (HS)	SAS (HS)	HS SAS, Fixed SATA, SSD	SAS, SATA, SSD (HS)	SAS, SSD (Fixed)	SAS, SSD (Fixed)	SAS (Fixed)	SAS (Fixed)	Flash	SATA (SS)	SAS, SATA (HS)	SAS, SATA, SSD (HS)
Maximum # HDDs	(2) 3.5"	(4) 3.5" (8) 2.5"	(8) 3.5" (4+4)	(8) 3.5" or (12) 2.5"	(2) 3.5" (4) 2.5"	(2) 3.5" (4) 2.5"	(2) 3.5"	(2) 3.5"	(6) 2.5"	(6) 3.5"	(12) 2.5"	(6) 3.5" (8) 2.5"	(4) 3.5"	(4) 2.5"	(4 to 16) 2.5"	(2) 2.5"	(2) 2.5"	(2) 2.5"	(2) 2.5"	(2) 2.5"	(1) 2.5"	(1) Flash	(1) 3.5" per tray	(12) 3.5" or (8) 2.5" (3U)	(5) 3.5" or (8) 2.5" (2U)
Maximum Memory	4 DIMMs 8 GB	4 DIMMs 8 GB	8 DIMMs 32 GB	12 DIMMs 48 GB	4 DIMMs 8 GB	4 DIMMs 8 GB	16 DIMMs 64 GB	12 DIMMs 48 GB	16 DIMMs 128 GB	6 DIMMs 24 GB	16 DIMMs 128 GB	16 DIMMs 64 GB	32 DIMMs 128 GB	32 DIMMs 256 GB	32 - 128 DIMMs 256 GB - 1 TB	6 DIMMs 24 GB	12 DIMMs 96 GB	8 DIMMs 32 GB	16 DIMMs 64 GB	8 DIMMs 64 GB	4 DIMMs 32 GB	8 DIMMs 32 GB	6 DIMMs 48 GB	8 DIMMs 32 GB	16 DIMMs 128 GB
Maximum I/O Slots	(2) PCI & (2) PCIe	(2) PCI & (2) PCIe; (1) PCI-X (opt.)	(1) PCI & (3) PCIe & (2) PCI-X	(1) PCI & (3) PCIe & (2) PCI-X	(2) PCIe	(2) PCI-e	(1) PCIe	(2) PCIe or (1) PCIe (1) HTx	(2) PCIe or (1) PCIe (1) PCI-X	(2) PCIe & (2) PCI	(4) PCIe or (3) PCIe (1) PCI-X	(4) PCIe or (3) PCIe & (1) HTx	(4) PCIe & (2) PCI-X & (1) HTx	(7) PCIe (incl. (2) Active PCIe)	(7) - (28) PCIe (incl. 2-8 Active PCIe)	(2) PCI-X or (1) PCI-X and (1) PCIe	(2) PCI-X	(1) PCIe (1) PCI-X	(1) PCIe (2) PCI-X	(1) PCIe	(1) PCIe	Opt. dual-port 4x InfiniBand HCA via PCIe	(1 or 2) PCIe (depending on configuration) x8	(1 or 2) PCIe (depending on configuration) x8/x16	(1 or 2) PCIe (depending on configuration) x16 Gen 2
Sample Applications	- SMB - File & Print - Email	- File & Print - Email - Point-of-sale	- File & Print - Email - Branch Office	- Virtualization - ERP/CRM - Branch Office	- Security - Collaboration - Web Servicing	- Email/Collab. - Branch Office - Web Servicing	- Cluster/HPC - Model. & Sim. - CAE	- Clusters/HPC - Model. & Sim. - Web Servicing	- Database - Collaboration - Web Servicing	- File/Print - Collaboration - SMB	- Database - Collaboration - Web Servicing - ERP / CRM	- Web / Image Srv. - File / Print Srv. - Business Intell. - FP Intensive	- ERP - Small DB - Virtualization	- ERP - Database - Custom Apps.	- Virtualization - ERP / CRM - Database	- File & Print - Email - SMB	- Virtualization - Collaboration - Hosted Client - Clusters - SAP	- Clusters/HPC - Digital Media - Mod. & Simul. - Research	- Bus. Intell. - ERP - Virtualization - Database	- IBM i / AIX / Linux - Linux - Small DB svr - Small app. svr	- IBM i / AIX / Linux - HPC - Virtualization	- Financial - Digital Media - Seismic - Scientific/Tech.	- Web 2.0 - Large corp. data processing	- Web 2.0 - Large corp. data processing	- Clusters / HPC - Large corp. data processing

