












# PRIMERGY servers – more efficient IT throughout the lifecycle

We make sure



The PRIMERGY Servers family, based on **standard architecture**, are a perfect answer to the enforced challenge of constantly improving the **efficiency of the IT infrastructure**. With the **high quality** standard as a result of Germany engineering and Japanese drive for constantly improved processes, the PRIMERGY Server Family ensures a cost efficient and stress free IT operation. PRIMERGY Server do not only stand for an **excellent price/performance ratio**, even more these Servers are building the foundation for new IT Infrastructure solutions, which are focussing on improving the agility of an organisation and fulfilling the service level agreements at the same time. Using standard technology and modern management tools the **total cost of ownership** is reduced to a minimum.

Model	PRIMERGY Econel 100	PRIMERGY Econel 200 S2	PRIMERGY TX150 S5	PRIMERGY TX200 S3	PRIMERGY TX300 S3
<b>PRIMERGY Industry Standard Servers</b>					
<b>Type</b>	Mono Socket Economy Server	Dual Socket Economy Server	Mono Socket Tower Server	Dual Socket Tower Server	Dual Socket Tower Server
<b>Processor</b>	Intel® Celeron®, Pentium 4, Pentium D	Dual-Core Intel® Xeon®, 5050 (3.00 GHz), 2 x 2 MB SLC, 667 MHz FSB; 5110 (1.60 GHz), 4 MB SLC, 1066 MHz FSB; 5130 (2.00 GHz), 4 MB SLC, 1333 MHz FSB	Intel® Pentium D, Intel® Xeon® UP	Quad-Core Intel® Xeon®	Quad-Core Intel® Xeon®
<b>Memory</b>	max. 8 GB ECC PC2-4200 DDR2 SDRAM	max. 8 GB registered ECC PC2-5300F FullyBuffered DIMM; memory scrubbing and SDDC	max. 8 GB ECC PC2-4200 DDR2 SDRAM	max. 16 GB PC2-5300F FullyBuffered DIMM DDR2, ECC	max. 32 GB PC2-5300F FullyBuffered DIMM DDR2, ECC
<b>Hard Disk Drive</b>	up to 4 x 80, 160, 250, 500 GB easy change	4 x 160 / 250 / 500 SATA, easy change, non hot-plug	36, 73, 146, 300 GB SAS (Hot-plug) or 80, 160, 250, 500 GB SATA (Hot-plug)	36, 73, 146, 300 GB SAS or 80, 160, 250, 500 GB SATA	36, 73, 146, 300 GB SAS or 80, 160, 250, 500 GB SATA
<b>Media Bays</b>	2 x 5.25 / 1.6-inch 1 x occupied with DVD/DVD-RW 1 x 3.5 / 1-inch FD as option	3 x 5.25 (1 for CD/DVD or CD/DVD-RW)	3 x 5.25 / 1.6-inch, one bay occupied with DVD or DVD-RW 1 x 3.5 / 1-inch, occupied with FDD (optional)	3 x 5.25 / 1.6-inch free or 2 x 5.25 / 1.6-inch free 1 x 5.25 / 0.5-inch for CD, DVD; CD-/DVD-RW 1 x 3.5 / 1-inch occupy with FD	3 x 5.25 / 1.6-inch free or FDD-DVD-LocalView-Box with 2 x 5.25 / 1.6-inch free and 1 x 5.25 / 1.6-inch for LocalView, 0.5-inch DVD and 0.5-inch FD option or SAS / SATA HDD-Box with 1 x 5.25 / 1.6-inch free, and 2 x 5.25 / 1.6-inch for LocalView or 0.5-inch FD plus 0.5-inch DVD Opti
<b>I/O Slots</b>	3 x PCIe (1 x 1, 1 x 4, 1 x 8) 4 x PCI 32-bit / 33 MHz	1 x PCI-Express (1x4 (phys. x8)) 1 x PCI-Express (1x8 (phys. x16)) 1 x PCI 32-bit / 33 MHz; 3 x PCI-X 64-bit / 100 MHz (133 MHz LOOP if only 1 Slot is occupied)	2 x PCI-X 64-bit / 66 MHz, long; (3,3 V); 1 x PCI 32-bit / 33 MHz, long (5V); 2 x PCI-Express, 1 x PCIe x1; 1 x PCIe x8 (x4 wired)	1 x PCIe x8 long, 1 x PCIe x 8 (x4 wired), long, 2 x PCI-X 64-bit / 100 MHz, 1 x long, 3,3 V; (1 x for ZCR in SAS version, 1 x occupied in SCSI version) (1 x with max. 133 MHz (IOPP™), if only 1 slot occupied), 1 x PCI 32-bit / 33 MHz, lang, 5V	1 x PCIe x 8 2 x PCIe x 8 (wired by 4) Hot-plug 2 x PCI-X 64-Bit / 133 MHz






Model	PRIMERGY Econel 230R	PRIMERGY RX100 S4	PRIMERGY RX200 S3	PRIMERGY RX220	PRIMERGY RX330 S1	PRIMERGY RX300 S3
<b>PRIMERGY Industry Standard Servers</b>						
<b>Type</b>	Dual Socket Economy Rack Server (2U)	Mono Socket Rack Server (1U)	Dual Socket Rack Server (1U)	Dual Socket Rack Server (1U)	Dual Socket Rack Server (2U)	Dual Socket Rack Server (2U)
<b>Processor</b>	1-2 Dual-Core AMD Opteron 2000; HyperTransport™ 1 GHz; 2 x 1 MB SLC 2210 (1.80), 2212 (2.00), 2214 (2.20), 2216 (2.40)	Intel® Celeron®, Intel® Pentium® D, Intel® Xeon® UP	Quad-Core Intel® Xeon®	Dual-Core and Single-Core AMD Opteron™	1-2 Dual-Core AMD Opteron 2000 (ready for Quad-Core Opteron); HyperTransport™ 1 GHz; 2 x 1 MB SLC 2210 (1.80), 2212 (2.00), 2214 (2.20), 2216 (2.40), 2218 (2.60), 2220 (2.80)	Quad-Core Intel® Xeon®
<b>Memory</b>	max. 16 GB; ECC DDR2 667, Memory scrubbing, SDDC	max. 8 GB, DDR2 533 MHz	max. 32 GB PC2-5300F FullyBuffered DIMM DDR2, ECC	max. 32 GB, registered ECC DDR-400 SDRAM	max. 32 GB; ECC DDR2 667, Memory scrubbing, SDDC	max. 32 GB PC2-5300F FullyBuffered DIMM DDR2, ECC
<b>Hard Disk Drive</b>	6 x 3.5 inch easy change or hot-plug 36, 73, 146, 300 GB SAS or 80, 160, 250, 500 GB SATA300	80, 160, 250, 500 GB SATA or 36, 73, 146, 300 GB SAS easy change or hot-plug	36, 73, 146, 300 GB 3.5-inch SAS or 36, 73, 146 GB 2.5-inch SAS or 80, 160, 250, 500 GB 3.5-inch SATA	80, 160, 250, 500 GB, SATA 150	6 x 3.5 inch hot-plug 36, 73, 146, 300 GB SAS or 80, 160, 250, 500 GB SATA300	6 x 3.5 inch 36, 73, 146, 300 GB SAS or 6 x 3.5 inch 80, 160, 250, 500 GB SATA or 12 x 2.5 inch 36, 73, 146 GB SAS all hot-plug
<b>Media Bays (inch)</b>	1 x 5.25 1.6 inch for tape, DVD-RW option	1 x 5.25 / 0.5-inch for CD, DVD / CD-RW option	1 x 5.25 / 0.5-inch, for CD/DVD	1 x 5.25 / 0.5-inch IDE-CD- or DVD- or CD-RW-ROM	1 x 5.25 1.6 inch for tape, DVD-RW option	1 x 5.25 / 0.5-inch, DVD-ROM opt. 1 x 3.5 / 0.5-inch for opt. LocalView Display or FD
<b>I/O Slots</b>	1 x PCIe x8 lp on motherboard and 1 x PCIe x8; 1 x PCIe x4 1 x PCI-X 64 / 133 MHz on riser board	1 x PCIe und 1 x PCI-X 64-bit / 100 MHz or 2 x PCI-X 64-bit / 100 MHz	1 x PCI-X 64-bit / 100 MHz and 1 x PCIe x 8 long or 1 x PCI-X 64-bit / 100 MHz and 1 x PCI-X 64-bit / 133 MHz	1 x PCI-X 64-Bit / 133 MHz 1 x PCI-Express x 8	1 x PCIe x8 lp on motherboard and 1 x PCIe x8; 1 x PCIe x4 1 x PCI-X 64 / 133 MHz on riser board or 1 x PCIe x8; 2 x PCI-X 64 / 66 MHz (one for ZCR opt.)	1 x PCIe x 8; 2 x PCIe x 4, Hot-plug 2 x PCI-X 64-bit / 133 MHz or with Riser card 1 x PCI-X 64-bit / 133 MHz 2 x PCI-X 64-bit / 133 MHz




# FibreCAT® – Storage systems you can simply rely on

We make sure



FibreCAT are storage systems from Fujitsu Siemens Computers. They stand out by their scalability, reliability and technical brilliance. FibreCAT stands for a particularly close integration and a smooth cooperation between servers and storage systems.

Model	FibreCAT NX20	FibreCAT NX40	FibreCAT SX40	FibreCAT SX60	FibreCAT SX80
FibreCAT Disbased Storage Systems					
Type	File and print server with Windows® Storage Server 2003 R2	File and print server with Windows® Storage Server 2003 R2	3 Gb/s SAS storage subsystem (JBOD)	4 Gb/s Fibre Channel RAID storage system	4 Gb/s Fibre Channel RAID storage system
Maximum Capacity	1 TB or 2 TB	Scalable from 72 GB to 1.2 TB (with subsystem to 239 TB)	10.8 TB	18 TB	28 TB
Hard Disks	4 x SATA	6 x SAS	36 x SAS	24 x SATA I / II	max. 56 x SAS / SATA I / II mixed configuration possible
Protocols	NFS, CIFS, HTTP, FTP	NFS, CIFS, HTTP, FTP, optional iSCSI	SAS, SES	FCP, SCSI-3	FCP, SCSI-3
RAID Type	1, 5	1, 5	0, 1, 5, 1/0, 5/0 (with host-based controller)	1, 3, 5, 1/0, 5/0	1, 3, 5, 1/0, 5/0
Interfaces	Ethernet	Ethernet, FC, SCSI	3 Gb/s SAS (x4 wide port)	4 Gb/s Fibre Channel	4 Gb/s Fibre Channel

Model	FibreCAT TX10 PacketLoader	FibreCAT TX24	FibreCAT TX48
FibreCAT Tape Systems			
Type	VXA-2 / VXA-320	LTO-2 / LTO-3	LTO-2 / LTO-3
Maximum Capacity	0.8 TB / 1.6 TB	4.8 TB / 9.6 TB	9.6 TB / 19.2 TB
Cartridges	10	24	48
Maximum Drives	1	2	4
Interfaces	SCSI	LTO-2: SCSI LTO-3: SCSI, FC	LTO-2: SCSI LTO-3: SCSI, FC

<p><b>Storage Management Software:</b></p> <p>BrightStor® ARCserve® Backup is a data backup software for small, medium sized and large enterprises.</p>	<p><b>Service Packages:</b></p> <p>Our standard guarantee for PRIMERGY servers and FibreCAT storage systems already cover 12 -36 months, depending on the system. If you need furthermore service packages you can revert to our wide service offerings.</p> <p><a href="http://www.fujitsu-siemens.com/service">www.fujitsu-siemens.com/service</a></p>
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