

# FUJITSU Server PRIMERGY Portfolio

Transform your IT into a  
business advantage

FUJITSU










shaping tomorrow with you


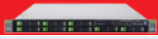
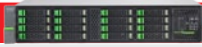

# Higher IT efficiency and reduced total cost of ownership

## FUJITSU PRIMERGY Tower and Rack Servers



Model	PRIMERGY MX130 S2 	PRIMERGY TX100 S3p 	PRIMERGY TX120 S3p 	PRIMERGY TX140 S2 
<b>Characteristics</b>	Micro server for macro results	Enter the world of PRIMERGY TX servers	For small environments with high demands	The expandable SME allrounder
<b>Type</b>	Mono socket micro server	Mono socket tower server	Mono socket tower server	Mono socket tower server
<b>Height units</b>	-	-	-	4 U when used in a rack
<b>Processor</b>	AMD Athlon™ II, AMD Sempron™, AMD Opteron™ 3200	Intel® Xeon® processor E3 v2 family, Intel® Core™ i3, Intel® Pentium®	Intel® Xeon® processor E3 v2 family, Intel® Core™ i3, Intel® Pentium®	Intel® Xeon® processor E3 v3 family, Intel® Core™ i3, Intel® Pentium®
<b>Memory capacity</b>	2 GB - 16 GB, 4 DIMM (DDR3)	2 GB - 32 GB, 4 DIMM (DDR3)	2 GB - 32 GB, 4 DIMM (DDR3)	2 GB - 32 GB, 4 DIMM (DDR3)
<b>Storage configuration</b>	4x 3.5-inch or 6x 2.5-inch	4 x 3.5-inch	4 x 2.5-inch or 2 x 3.5-inch	4x 3.5-inch or 8x 2.5-inch
<b>iRMC</b>	no	no	yes (advanced pack opt.)	yes (iRMC S4 / advanced pack opt.)
<b>RAID 0, 1   5, 6</b>	✓   -	✓   optional	✓   optional	✓   optional
<b>I/O slots</b>	1x PCIe 2.0 x4, 1x PCIe 2.0 x16, 1x PCIe x1, 1x PCI	1 x PCIe 2.0 x1, 1 x PCIe 2.0 x4, 2x PCIe 2.0/3.0 x8	1 x PCIe 2.0 x1, 1 x PCIe 2.0 x4, 1 x PCIe 2.0/3.0 x16, 1 x PCI	2 x PCIe 3.0 x8, 1 x PCIe 2.0 x4, 1x PCIe 2.0 x1 (Legacy PCI via adapter)

Model	PRIMERGY TX150 S8 	PRIMERGY TX200 S7 	PRIMERGY TX300 S8 
<b>Characteristics</b>	The one-processor tower server - maximized!	Well-balanced price- performance	No compromise tower server
<b>Type</b>	Mono socket tower server	Dual socket tower server	Dual socket tower server
<b>Height units</b>	4 U when used in a rack	4 U when used in a rack	4 U when used in a rack
<b>Processor</b>	Intel® Xeon® processor E5-2400 / E5-1400 product family	Intel® Xeon® processor E5-2400 product family	Intel® Xeon® processor E5-2600 v2 product family
<b>Memory capacity</b>	2 GB - 96 GB, 6 DIMM (DDR3)	2 GB - 192 GB, 12 DIMM (DDR3)	2 GB - 1536 GB, 24 DIMM (DDR3)
<b>Storage configuration</b>	8 x 3.5-inch or 16 x 2.5-inch	8 x 3.5-inch or 16 x 2.5-inch	12 x 3.5-inch or 24 x 2.5-inch
<b>iRMC</b>	yes (advanced pack opt.)	yes (advanced pack opt.)	yes (iRMC S4 / advanced pack opt.)
<b>RAID 0, 1   5, 6</b>	✓   optional	✓   optional	✓   optional
<b>I/O slots</b>	2 x PCIe 3.0 x4 (mech. x8), 1 x PCIe 3.0 x16, 1 x PCIe 2.0 x1 (mech. x16), 1 x PCIe 2.0 x4 (mech. x8), 1 x PCI	2 x PCIe 3.0 x4 (mech. x8), 2 x PCIe 3.0 x16, 1 x PCIe 2.0 x4 (mech. x8), 1 x PCI	1 x PCIe 2.0 x4, 2x PCIe 3.0 x4, 5 x PCIe 3.0 x8, 2 x PCIe 3.0 x16

Model	PRIMERGY RX100 S8 	PRIMERGY RX200 S8 	PRIMERGY RX300 S8 	PRIMERGY RX350 S8 
<b>Characteristics</b>	Small in size and low in cost – rich in opt. features	Maximum productivity in a 1U housing	The versatile 2U powerhouse	Maximum expandability in a 2 way server
<b>Type</b>	Mono socket rack server	Dual socket rack server	Dual socket rack server	Dual socket rack server
<b>Height units</b>	1 U	1 U	2 U	4 U
<b>Processor</b>	Intel® Xeon® processor E3-1200 v3 product family	Intel® Xeon® processor E5-2600 v2 product family	Intel® Xeon® processor E5-2600 v2 product family	Intel® Xeon® processor E5-2600 v2 product family
<b>Memory capacity</b>	2 GB - 32 GB, 4 DIMM (DDR3)	2 GB - 1536 GB, 24 DIMM (DDR3)	2 GB - 1536 GB, 24 DIMM (DDR3)	2 GB - 1536 GB
<b>Storage configuration</b>	4 x 3.5-inch or 10 x 2.5-inch	4 x 2.5-inch or 8 x 2.5-inch	6 x 3.5-inch or 16 x 2.5-inch	12 x 3.5-inch or 24 x 2.5-inch
<b>iRMC</b>	yes (advanced pack opt.)	yes (iRMC S4 / advanced pack opt.)	yes (iRMC S4 / advanced pack opt.)	yes (iRMC S4 / advanced pack opt.)
<b>RAID 0, 1   5, 6</b>	✓   optional	✓   optional	✓   optional	✓   optional
<b>I/O slots</b>	2 x PCIe 3.0 x8, 1 x PCIe 2.0 x4 (mech x8)	3 x PCIe 3.0 x8, 1 x PCIe 3.0 x16	5 x PCIe 3.0 x8, 2 x PCIe 3.0 x16	1x PCIe 2.0 x4, 2 x PCIe 3.0 x4, 5 x PCIe 3.0 x8, 2 x PCIe 3.0 x16

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## FUJITSU PRIMERGY Rack and Blade Servers



Model	PRIMERGY RX500 S7	PRIMERGY RX600 S6	PRIMERGY RX900 S2
<b>Characteristics</b>	Economic scaling to four socket performance	Scalability and balanced composition ensure your growth	It starts where 4 socket servers end up!
<b>Type</b>	Quad socket rack server	Quad socket rack server	Eight socket rack server
<b>Height units</b>	4 U	4 U	8 U
<b>Processor</b>	Intel® Xeon® processor E5-4600 product family	Intel® Xeon® processor E7-2800/4800/8800 product families	Intel® Xeon® processor E7-8800 product family
<b>Memory capacity</b>	8 GB - 1536 GB, 48 DIMM (DDR3)	8 GB - 2048 GB, 64 DIMM (DDR3)	8 GB - 4096 GB, 128 DIMM (DDR3)
<b>Storage drives hot-plug</b>	8 x 2.5-inch	8 x 2.5-inch	8 x 2.5-inch
<b>iRMC</b>	yes (advanced pack opt.)	yes (advanced pack opt.)	yes (advanced pack opt.)
<b>RAID 0, 1   5, 6</b>	✓   optional	optional   optional	optional   optional
<b>I/O slots</b>	9 x PCIe 3.0 x8 FH 2 x PCIe 3.0 x16 FH	3 x PCIe 2.0 x4, 4 x PCIe 2.0 x8 (2x hot-plug), 1 x PCIe 2.0 x16, 2 x PCIe x4	2 x PCIe 2.0 x4, 14 x PCIe 2.0 x8 (4 x hot-plug)

Model	PRIMERGY BX920 S3	PRIMERGY BX924 S4	PRIMERGY SX910 S1	PRIMERGY SX940 S1	PRIMERGY SX960 S1	PRIMERGY SX980 S2
<b>Characteristics</b>	Universal dual socket Server Blade with advanced computing and I/O performance in a small form factor	High-end server blade with maximum scalability for demanding applications	Easy and fast data backup	For easy and cost effective server consolidation	Direct attached and, in combination with Microsoft Windows Server 2012 or other software products, shared storage solution	Centralized storage capacity via SAS Connection Blade
<b>Type</b>	Dual socket Server Blade	Dual socket Server Blade	Storage Blade Tape	Storage Blade Disk	Storage Blade Disk	Storage Blade Disk
<b>Max. number per BX900</b>	18	18	6	6	2	6
<b>Max. number per BX400</b>	8	8	4	4	2	2
<b>Processor</b>	Intel® Xeon® processor E5-2400 product family	Intel® Xeon® processor E5-2600 v2 product family	-	-	-	-
<b>Memory capacity</b>	4 GB - 384 GB, 12 DIMM (DDR3)	4 GB - 1536 GB, 24 DIMM (DDR3)	-	-	-	-
<b>Storage drives hot-plug /</b>	2 x 2.5-inch	2 x 2.5-inch non hot-plug	1 x LTO3/4/5	4 x 2.5-inch	10 x 2.5-inch	10x 2.5-inch
<b>iRMC</b>	yes (iRMC S3, 32 MB attached memory incl. graphics controller)	yes (iRMC S4, 256 MB attached memory incl. graphics controller)	-	-	-	-
<b>RAID 0, 1   5, 6</b>	✓   optional	✓   optional	-	✓   ✓	✓   ✓	✓   ✓
<b>Ethernet controller onboard</b>	2 x 10 Gbit/s CNA via midplane to Ethernet Connection Blade	-	-	-	-	-
<b>Mezzanine cards</b>	2 x PCIe 3.0 x8 (Quad 1 Gbit/s Eth, Dual 10 Gbit/s Eth, Dual 8 Gbit/s FC, Dual 40 Gbit/s IB, Dual 56 Gbit/s IB, SAS HBA/RAID 6 Gbit/s, Dual 10 Gbit/s CNA)	-	-	-	-	-

Model	PRIMERGY BX400 S1	PRIMERGY BX900 S2
<b>Characteristics</b>	Affordable and fully-featured blade system for mid-sized companies	Complete dynamic server infrastructure in a single chassis for enterprise data centers
<b>System unit type</b>	6 U chassis or floorstand version	10 U chassis
<b>Dimensions</b>	445 x 785 x 267 mm (WxDxH)	445 x 778 x 438 mm (WxDxH)
<b>Front bays</b>	8 x for server or storage blades	18 x for server or storage blades
<b>Midplane</b>	High speed midplane with 3 fabrics	High speed midplane with 4 redundant fabrics
<b>Rear bays</b>	4 x for Connection Blades 4 x for PSU-Fan modules	8 x for Connection Blades (2 connection blades per fabric) 6 x for PSU modules
<b>Management Blades</b>	1 x hot-plug Management Blade as standard, redundant Management Blade as option	1 x hot-plug Management Blade as standard, redundant Management Blade as option
<b>Fan configuration</b>	Up to 3 hot-plug, redundant fan units (2 fan modules per unit)	Up to 3 additional hot-plug, redundant fan modules
<b>Power supply configuration</b>	Up to 4 x hot-plug power supply modules (1 x as standard)	Up to 6 x hot-plug power supply modules, 3 x as minimum (4th to 6th power supply modules necessary for redundancy, depending on system configuration)
<b>Connection Blade type</b>	<b>Ethernet:</b> 1 Gbit/s 18/6 switch, 1 Gbit/s 36/12 switch, 1 Gbit/s 36/8+2 <b>DCB (Ethernet, FCoE, iSCSI):</b> 10 Gbit/s 18/8 switch, 10 Gbit/s 18/6+6 Fabric switch (Brocade), 10 Gbit/s 16/8 Fabric Extender (Cisco), 10 Gbit/s 18/18 Pass Thru <b>Fibre Channel (FC):</b> 8 Gbit/s 26-port switch (Brocade), 8 Gbit/s 18/18 Pass Thru <b>SAS:</b> 6 Gbit/s 18/6 SAS switch <b>InfiniBand (IB):</b> 40 Gbit/s or 56 Gbit/s 18/18 IB switch (Mellanox)	

# PRIMERGY scale-out servers

## FUJITSU PRIMERGY CX server family



Model	PRIMERGY CX400 S2
<b>Characteristics</b>	Rack optimized enclosure for double dense server nodes providing high efficiency and best serviceability for HPC and various datacenter (cloud) scenarios.
<b>System unit type</b>	2 U chassis for 19-inch rack
<b>Weight</b>	up to 38 kg plus 2.5 kg for rack rails
<b>Front bays</b>	Storage drives: 12 x 3.5-inch or 24 x 2.5-inch (HDD, SSD)
<b>Rear bays</b>	2/4 x for 2U/1U half wide server nodes CX2x0; 2 x for PSU
<b>Fan configuration</b>	4 non hot-plug fans
<b>Power supply configuration</b>	up to 2 x hot-plug power supply modules (1 x as standard)
<b>Operation panel / button</b>	On/Off switch / ID button
<b>Warranty</b>	
<b>Standard Warranty</b>	3 years
<b>Service Level</b>	On-site Service
<b>Standard Warranty note</b>	(depending on country)
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Recommended Service</b>	7 x 24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local FUJITSU partner.
<b>Number of nodes</b>	4 x CX250 S1 2 x CX270 S1

Model	PRIMERGY CX250 S2	PRIMERGY CX270 S2
<b>Characteristics</b>	Multi Node Server for PRIMERGY CX400	HPC optimized Multi Node Server for PRIMERGY CX400
<b>Type</b>	Dual socket node	Dual socket node
<b>Chipset</b>	Intel® C600 (Intel® Patsburg A)	Intel® C600 (Intel® Patsburg A)
<b>Processor(s)</b>	Intel® Xeon® processor E5-2600 v2 product family	
<b>Memory</b>	16 GB – 1024 GB	16 GB – 1024 GB
<b>Memory protection</b>	Advanced ECC, SDDC (only for registered DIMMs)	Advanced ECC, SDDC (only for registered DIMMs)
<b>optional GPU</b>		1x GPGPU NVIDIA Tesla K20 / K20X computing processor or 1x Intel Xeon Phi coprocessor 3120P / 5100 / 7120P
<b>Drive bays</b>	6 x 2.5-inch or 3 x 3.5-inch	4 x 2.5-inch or 3 x 3.5-inch
<b>I/O slots</b>	2 x PCIe 3.0 x16	2 x PCIe 3.0 x8 1 x PCIe 3.0 x16 for GPGPU
<b>Onboard or integrated controller</b>		
<b>LAN</b>	2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration)	2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration)
<b>Remote Management Controller</b>	Baseboard management controller (BMC), IPMI 2.0 compatible	Baseboard management controller (BMC), IPMI 2.0 compatible optional
<b>Operating system and Virtualization Software</b>		
<b>Certified or supported operating systems and virtualization software</b>	Windows Server 2008 / 2012 Windows HPC Server Windows Web Server Microsoft Hyper-V-Server SUSE Linux Enterprise Server Red Hat Enterprise Linux VMware ESXi	Windows Server 2008 / 2012 Windows HPC Server Windows Web Server Microsoft Hyper-V-Server SUSE Linux Enterprise Server Red Hat Enterprise Linux VMware ESXi

Model	PRIMERGY CX420 S1
<b>Characteristics</b>	High availability for lower expertise and limited budgets
<b>System unit type</b>	2 U chassis for 19-inch rack
<b>Weight</b>	up to 38 kg plus 2.5 kg for rack rails
<b>Front bays</b>	Storage drives: 12 x 3.5-inch for 3.5-inch / 2.5-inch HDDs
<b>Rear bays</b>	2 bays for half wide server trays CX272 S1 2x for PSU
<b>Fan configuration</b>	4 non hot-plug fans
<b>Power supply configuration</b>	2x hot-plug power supply modules
<b>Operation panel / buttons</b>	On/Off switch ID button
<b>Warranty</b>	
<b>Standard Warranty</b>	3 years
<b>Service Level</b>	On-site Service
<b>Standard Warranty note</b>	
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Recommended Service</b>	7 x 24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local FUJITSU partner.
<b>Number of nodes</b>	2x CX272 S1

Model	PRIMERGY CX272 S1
<b>Characteristics</b>	Strong Performance and Cluster Readiness combined
<b>Type</b>	Dual socket server node
<b>Chipset</b>	Intel® C600
<b>Processor(s)</b>	Intel®Xeon® processor E5-2600 product family
<b>Memory</b>	16 – 256 GB
<b>Memory protection</b>	Advanced ECC SDDC (only for registered DIMMs)
<b>Storage drive bays</b>	6x 2.5-inch or 6x 3.5-inch (local in CX420 S1) 2x 2.5-inch internal in CX272 S1
<b>I/O slots</b>	3x PCIe 3.0 x8
<b>Onboard or integrated controller</b>	
<b>LAN</b>	2x 10/100/100 Mbit/s Ethernet (TCP/IP acceleration)
<b>Remote Management controller</b>	Baseboard management controller (BMC) IPMI 2.0 compatible
<b>Operating system and Virtualization Software</b>	
<b>Certified or supported operating systems and virtualization software</b>	Microsoft Hyper-V-Server Windows Server 2012 Windows Storage Server

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