

Fujitsu PRIMERGY Servers Portfolio

Dynamic Infrastructures
for workgroup, datacenter
and cloud computing





FUJITSU




shaping tomorrow with you

Higher IT efficiency and reduced total cost of ownership




Fujitsu PRIMERGY Micro and Tower Servers



Model	PRIMERGY MX130 S2 	PRIMERGY TX100 S3 	PRIMERGY TX120 S3 	PRIMERGY TX140 S1 
Characteristics	Micro server for macro results	Enter the world of PRIMERGY TX servers	For small environments with high demands	The expandable SME allrounder
Type	Mono socket micro server (horizontal/vertical operation possible)	Mono socket tower server	Mono socket tower server	Mono socket tower server
Height units	-	-	-	5 U when used in a rack
Processor	AMD Athlon™ II X2, AMD Sempron™, AMD Phenom™	Intel® Xeon® E3, Intel® Core™ i3, Intel® Pentium®	Intel® Xeon® E3, Intel® Core™ i3, Intel® Pentium®	Intel® Xeon® E3, Intel® Core™ i3, Intel® Pentium®
Memory capacity	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)
Hard disk configuration	2x 3.5-inch or 6x 2.5-inch optional	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 optional
Hard disk hot-plug	HDD SATA 3.5-inch 250 GB - 2 TB (non hot-plug)	HDD SATA 3.5-inch 250 GB - 2 TB (non hot-plug)	HDD SATA 3.5-inch 250 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 2.5-inch 73 GB - 900 GB	HDD SATA 3.5-inch 250 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 3.5-inch 300 GB - 600 GB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 64 GB
iRMC	no	no	yes (advanced pack opt.)	yes (advanced pack opt.)
RAID 0, 1 5, 6	✓ -	✓ -	✓ -	✓ -
Active power (max.)	159 W	209 W	147 W	216 W
I/O slots	1x PCIe Gen2 x4, 1x PCIe Gen2 x16, 1x PCIe, 1x PCI	1 x PCIe Gen2 x1, 1 x PCIe Gen2 x4, 1x PCIe Gen2 x8	1 x PCIe Gen2 x1, 1 x PCIe Gen2 x4, 1 x PCIe Gen2 x16, 1 x PCI	1 x PCIe Gen2 x1, 1 x PCIe Gen2 x4, 1 x PCIe Gen2 x16, 1x PCI

Model	PRIMERGY TX150 S7 	PRIMERGY TX200 S6 	PRIMERGY TX300 S6 
Characteristics	The one-processor tower server - maximized!	Well-balanced price- performance	No compromise tower server
Type	Mono socket tower server	Dual socket tower server	Dual socket tower server
Height units	5 U when used in a rack	5 U when used in a rack	4 U when used in a rack
Processor	Intel® Xeon®, Intel® Pentium®, Intel® Core™ i3	Intel® Xeon® 5500/5600 series	Intel® Xeon® 5500/5600 series
Memory capacity	1 GB - 32 GB, 6 DIMM (DDR3)	2 GB - 96 GB, 12 DIMM (DDR3)	2 GB - 384 GB, 18 DIMM (DDR3)
Hard disk configuration	4 x 3.5-inch or 8 x 2.5-inch optional	4 x 3.5-inch (6 optional) or 8 x 2.5-inch (16 optional)	6 x 3.5-inch (8 optional) or 12 x 2.5-inch (20 optional)
Hard disk hot-plug	HDD SATA 3.5-inch 250 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 3.5-inch 300 GB - 600 GB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB	HDD SATA 3.5-inch 250 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 3.5-inch 300 GB - 600 GB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB	HDD SATA 3.5-inch 250 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 3.5-inch 300 GB - 600 GB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 - 64 GB
iRMC	yes (advanced pack opt.)	yes (advanced pack opt.)	yes (advanced pack opt.)
RAID 0, 1 5, 6	✓ optional	✓ optional	✓ optional
Active power (max.)	258 W	461 W	560 W
I/O slots	2 x PCIe Gen2 x1, 1 x PCIe Gen2 x4, 2 x PCIe Gen2 x8, 1 x PCI	2 x PCIe Gen2 x4, 2 x PCIe Gen2 x8, 1 x PCIe x4, 1 x PCI	5 x PCIe Gen2 x4, 2 x PCIe Gen2 x8

Higher IT efficiency and reduced total cost of ownership

Fujitsu PRIMERGY Rack Servers

Model	PRIMERGY RX100 S7 	PRIMERGY RX200 S6 	PRIMERGY RX300 S6 
Characteristics	Cost optimized and highly available compact Rack Server	Maximum productivity at minimum space	The virtualization powerhouse
Type	Mono socket rack server	Dual socket rack server	Dual socket rack server
Height units	1 U	1 U	2 U
Processor	Intel® Pentium®, Intel® Xeon® E3, Intel® Core™ i3	Intel® Xeon® E3, Intel® Xeon® 5500/5600 series	Intel® Xeon® E3, Intel® Xeon® 5500/5600 series
Memory capacity	2 GB - 32 GB, 4 DIMM (DDR3)	2 GB - 192 GB, 12 DIMM (DDR3)	2 GB - 384 GB, 18 DIMM (DDR3)
Hard disk configuration	2 x 3.5-inch or 4 x 2.5-inch	6 x 2.5-inch or 8 x 2.5-inch	6 x 3.5-inch or 8 x 2.5-inch or 12 x 2.5-inch
Hard disk hot-plug	HDD SATA 3.5-inch 250 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 3.5-inch 146 GB - 600 GB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB	HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB	HDD SATA 3.5-inch 160 GB - 2 TB HDD SATA 2.5-inch 160 GB - 1 TB HDD SAS 3.5-inch 146 GB - 600 GB HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB
iRMC	yes (advanced pack opt.)	yes (advanced pack opt.)	yes (advanced pack opt.)
RAID 0, 1 5, 6	✓ optional	✓ optional	✓ optional
Active power (max.)	193 W	549 W	504 W
I/O slots	1 x PCIe Gen2 x1, 1 x PCIe Gen2 x4, 1 x PCIe Gen2 x16	1 x PCIe Gen2 x4, 2 x PCIe Gen2 x8	5 x PCIe Gen2 x4, 2 x PCIe Gen2 x8

Model	PRIMERGY RX600 S6 	PRIMERGY RX900 S2 	Empowering Your Enterprise
Characteristics	Scalability and balanced composition ensure your growth	It starts where 4 socket servers end up!	To stay competitive, your IT should support your organization in reducing costs, maximizing performance and reacting quickly to change. PRIMERGY x86 servers help you do all of this and more. With rock-solid reliability and independently proven leading price performance, you benefit from favorable lifecycle costs. Operational costs are further reduced through virtualization, simplified server management and benchmark proven energy efficiency, based on innovative market-leading technology.
Type	Quad socket rack server	Eight socket rack server	
Height units	4 U	8 U	
Processor	Intel® Xeon® processor E7-2800 / Intel® Xeon® processor E7-4800 / Intel® Xeon® processor E7-8800	Intel® Xeon® processor E7-8800	
Memory capacity	8 GB - 1024 GB, 64 DIMM (DDR3)	8 GB - 2048 GB, 128 DIMM (DDR3)	
Hard disk configuration	8 x 2.5-inch	8 x 2.5-inch	
Hard disk hot-plug	HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB	HDD SAS 2.5-inch 73 GB - 900 GB SSD SATA 2.5-inch 32 GB - 64 GB	Fujitsu's complete ecosystem of consultancy, services, logistics and support plus software pre-deployment and hardware customization services result in faster time to operation. Moreover, PRIMERGY software solutions create greater IT agility by reducing the time to deploy new applications from days to hours.
iRMC	yes (advanced pack opt.)	yes (advanced pack opt.)	
RAID 0, 1 5, 6	✓ optional	optional optional	
Active power (max.)	1790 W	2800 W	PRIMERGY servers by Fujitsu deliver your values faster than you thought possible.
I/O slots	3 x PCIe Gen2 x4, 4 x PCIe Gen2 x8 thereof 2 x hot-plug, 1 x PCIe Gen2 x16, 2 x PCIe x4	2 x PCIe Gen2 x4, 14 x PCIe Gen2 x8 thereof 4 x hot-plug	

Driving your success with unbeatable performance and efficiency

Fujitsu PRIMERGY Blade Servers



Model	PRIMERGY BX920 S2	PRIMERGY BX922 S2	PRIMERGY BX924 S2	PRIMERGY SX910 S1	PRIMERGY SX940 S1	PRIMERGY SX960 S1	PRIMERGY SX980 S1	
Characteristics	Universal dual socket Server Blade with high computing and I/O performance in a small form factor	Future-oriented Server Blade with all the prerequisites for virtualization environments	Server Blade with virtualization fitness at all levels, be it compute power or I/O throughput	Easy and fast data backup	For easy and cost effective server consolidation	Direct attached and, in combination with NetApp Data ONTAP-v, shared storage solution	Easy transition from direct attached to centralized storage	
Type	Dual socket Server Blade	Dual socket Server Blade	Dual socket Server Blade	Storage Blade Tape	Storage Blade Disk	Storage Blade Disk	Storage Blade Disk	
Max. number per BX900	18	18	18	6	6	2	6	
Max. number per BX400	8	8	8	4	4	2	3	
Processor	Intel® Xeon® processor, 5500 / 5600 series	Intel® Xeon® processor, 5500 / 5600 series	Intel® Xeon® processor, 5500 / 5600 series	-	-	-	-	
Memory capacity	2 GB - 144 GB, 9 DIMM (DDR3)	2 GB - 192 GB, 12 DIMM (DDR3)	2 GB - 288 GB, 18 DIMM (DDR3)	-	-	-	-	
Hard disk hot-plug / Tape drives	max. 2 x HDD SAS 2.5-inch 73 GB - 900 GB HDD SATA 2.5-inch 160 GB - 1 TB SSD SATA 2.5-inch 32 GB - 64 GB	max. 2 x HDD SATA 2.5-inch 160 GB - 320 GB, (non hot-plug) SSD SATA 2.5-inch 32 GB - 64 GB, (non hot-plug)	max. 2 x SSD SATA 2.5-inch 32 GB - 64 GB, (non hot-plug)	max. 1 x SAS 3Gb/s LTO3HH Ultrium, 400 GB, 60 MB/s LTO4HH Ultrium, 800 GB, 120 MB/s LTO5HH Ultrium, 1500 GB, 140 MB/s	max. 4 x HDD SAS 2.5-inch 146 GB - 900 GB HDD SATA 2.5-inch 160 GB - 1 TB SSD SATA 2.5-inch 32 GB - 64 GB	max. 10 x HDD SAS 2.5-inch 73 GB - 900 GB HDD SATA 2.5-inch 160 GB - 1 TB SSD SATA 2.5-inch 32 GB - 64 GB	max. 10x HDD SAS 2.5-inch 73 GB - 900 GB HDD SATA 2.5-inch 160 GB - 1 TB SSD SATA 2.5-inch 32 GB - 64 GB	max. 10x HDD SAS 2.5-inch 73 GB - 900 GB HDD SATA 2.5-inch 160 GB - 1 TB SSD SATA 2.5-inch 32 GB - 64 GB
iRMC	yes (advanced pack incl.)	yes (advanced pack incl.)	yes (advanced pack incl.)	-	-	-	-	
RAID 0, 1 5, 6	✓ -	✓ -	✓ -	-	✓ ✓	✓ ✓	✓ ✓	
Ethernet controller onboard	4 x Gbit Ethernet via midplane at Ethernet Connection Blade	4 x Gbit Ethernet via midplane at Ethernet Connection Blade	2 x 10 Gbit Ethernet via midplane at Ethernet Connection Blade	-	-	-	-	
Mezzanine cards	2 x PCIe Gen2 x8 (Quad 1Gbit Eth, Dual 10Gbit Eth, Dual 8Gbit FC, Dual 40Gbit IB, SAS HBA/RAID 6Gbit, 10Gbit CNA)	2 x PCIe Gen2 x8 (Quad 1Gbit Eth, Dual 10Gbit Eth, Dual 8Gbit FC, Dual 40Gbit IB, SAS HBA/RAID 6Gbit, 10Gbit CNA)	2 x PCIe Gen2 x8 (Quad 1Gbit Eth, Dual 10Gbit Eth, Dual 8Gbit FC, Dual 40Gbit IB, SAS HBA/RAID 6Gbit, 10Gbit CNA)	-	-	-	-	

Model	PRIMERGY BX400 S1	PRIMERGY BX900 S1
Characteristics	Blade Made Easy. Tailor-made performance for midmarket companies	The Dynamic Cube - Complete dynamic server infrastructure in a single chassis
System unit type	6 U chassis for 19-inch rack or floorstand version	10 U chassis for 19-inch rack
Dimensions (WxDxH)	445 x 785 x 267 mm	445 x 778 x 438 mm
Front bays	8 x for server or storage blades	18 x for server or storage blades
Midplane	High speed midplane with 3 fabrics	High speed midplane with 4 redundant fabrics
Rear bays	4 x for Connection Blades 4 x for PSU-Fan modules	8 x for Connection Blades 6 x for PSU-Fan modules
Management Blades	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
Fan configuration	Up to 3 hot-plug, redundant fan units (2 fan modules per unit)	Up to 3 hot-plug, redundant fan units (2 fan modules per unit, 2x2 units per module)
Power supply configuration	Up to 4 x hot-plug power supply modules (1 x as standard)	Up to 6 x hot-plug power supply module, 3x as minimum (4th to 6th power supply module necessary for redundancy, depending on system configuration)
Connection Blade type	FC switch 8 Gb Brocade 14 and 26 port and 26 port Enterprise edition Eth switch/IBP 1 Gb 18/6 Eth switch/IBP 1 Gb 36/12 Eth switch/IBP 1 Gb 36/8+2 Eth switch/IBP 10 Gb 18/8 IB switch 40 Gb 18/18 Eth Pass Thru 1/10 Gb 18 port FC Pass Thru 8 Gb 18 port SAS switch 6 Gb 18/6	FC switch 8 Gb Brocade 14 and 26 port and 26 port Enterprise edition Eth switch/IBP 1 Gb 18/6 Eth switch/IBP 1 Gb 36/12 Eth switch/IBP 1 Gb 36/8+2 Eth switch/IBP 10 Gb 18/8 (DCB) IB switch 40 Gb 18/18 Eth Pass Thru 1/10 Gb 18 port FC Pass Thru 8 Gb 18 port SAS switch 6 Gb 18/6

The Cool-Central™ architecture

Fujitsu PRIMERGY scale-out servers



Windows Server™ 2008 R2

Model	PRIMERGY CX1000 S1	Model	PY CX120 S1	PY CX122 S1	Fujitsu PRIMERGY servers and Windows Server®	OEM	ROK	MX130 S2	TX100 S3	TX120 S3	TX140 S1	TX150 S1	TX200 S6	TX300 S6	RX100 S1	RX200 S6	RX300 S6	RX400 S6	RX900 S2	BX920 S2	BX922 S2	BX924 S2	CX120 S1	CX122 S1
Characteristics	Cloud server infrastructure platform for Scale-Out data centers Scale Big - Spend Small	Characteristics	Cloud Server unit for PRIMERGY CX1000		Windows Server 2008 R2 Foundation	✓	✓	✓	✓	✓	✓	✓			✓									
System unit type	Cloud server rack infrastructure	Type	Dual socket cloud node		Windows Server 2008 R2 Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓
Fan configuration	Cooling unit with two centralized redundant fans produces low pressure plenum in a chimney area at rear side	Height units	1 U		Windows Server 2008 R2 Enterprise	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Cooling	The innovative shared cooling architecture "Cool-Central™" provides new economics for scale-out data centers by significant reduction of energy consumption coupled with dramatic savings in data center space	Processor(s)	Intel® Xeon® processor, 5500/5600 series		Windows Server 2008 R2 Datacenter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Height unit rack	43 U	Memory capacity	16 - 64 GB 8 DIMM (DDR3)	12 - 144 GB 18 DIMM (DDR3)	Windows Small Business Server Essentials 2011	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Dimension notes	Rack 38 U + 5 U cooling unit; Rack and cooling unit 250 kg; CX1000 incl. 38x CX120 + 5x IP switch and all cabling max weight 470kg	Hard disk	max. 2x HDD SATA 2.5-inch 160 GB - 1 TB (non hot-plug)		Windows Small Business Server 2011 Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
Number of nodes	38	iRMC	BMC	yes (advanced pack opt.)	Windows Small Business Server 2011 Premium Add-on	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
Weight (packed)	500 kg	RAID 0, 1 5, 6	✓ -		Windows Storage Server 2008 Standard	✓														✓	✓			
Weight notes	Actual weight may vary depending on configuration	Active power (max.)	286 W (per system unit)	350 W (per system unit)	Windows HPC Server 2008 R2 Suite	✓	✓						✓		✓	✓					✓	✓	✓	✓
Dimensions (WxDxH)	700 x 850 x 2083 mm	Ethernet controller	2 x Gbit/s Ethernet onboard		System Center Essentials 2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Active power (min.)	6300 W	I/O slots	1 x PCIe x8	1 x PCIe x16	System Center Virtual Machine Manager 2008 R2 WGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Active power (max.)	14000 W				CAL/RDS/ML for Windows Server, SBS, EBS and SCE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Power supply configuration note	Each CX120 and CX122 server tray has its own PSU with 350W max.																							

For businesses focused on providing their organizations with innovative capabilities at low cost, Windows Server® 2008 R2 provides a productive server platform because it offers cost-effective virtualization, power saving capabilities, and a superior experience for end users.

Integrated Server Lifecycle Management

Fujitsu PRIMERGY ServerView Suite



Deploy Fast, easy, reliable	Control Centralized, easy, efficient	Dynamize Simple, sophisticated, efficient	Maintain In any state, at any place	Integrate Seamless, manage uniformly
Server Setup Installation <ul style="list-style-type: none"> ✓ SV Installation Manager ✓ SV Scripting Toolkit 	Server Monitoring <ul style="list-style-type: none"> ✓ SV Operations Manager ✓ SV System Monitor ✓ SV Event Management 	Resource Orchestration <ul style="list-style-type: none"> ♦ SV Resource Orchestrator (ROR) 	Remote Management <ul style="list-style-type: none"> ♦/✓ SV Remote Management <ul style="list-style-type: none"> - iRMC S2 / iRMC S3 - Management Blades 	Uniformed Management <ul style="list-style-type: none"> ♦/✓ SV Integration ♦ Fujitsu ManageNow® solutions ✓ Microsoft SMS & SCCM ✓ Microsoft MOM & SCOM ✓ Microsoft SCE ✓ Nagios ✓ Icinga ✓ HP Network Node Manager ✓ HP Operations Manager ✓ HP Systems Insight Manager ✓ IBM Tivoli TEC ✓ IBM Tivoli NetView ✓ CA Unicenter ✓ CA Spectrum ♦ BMC Patrol
Mass Deployment <ul style="list-style-type: none"> ♦ SV Deployment Manager ✓ Integration Pack for Altiris Deployment Server 	Performance Management <ul style="list-style-type: none"> ✓ SV Performance Manager ✓ SV Threshold Manager 	Resource Management <ul style="list-style-type: none"> ♦ SV Resource Coordinator VE (RCVE) 	Update Management <ul style="list-style-type: none"> ✓ SV Update Manager / Express ✓ SV Download Manager ✓ SV Repository Manager 	
	Power Management <ul style="list-style-type: none"> ✓ SV Power Monitor ✓ SV Power Consumption Manager 	I/O Management <ul style="list-style-type: none"> ♦ SV Virtual-IO Manager (VIOM) 	Investigation <ul style="list-style-type: none"> ✓ SV Asset Management <ul style="list-style-type: none"> - Inventory Manager - Archive Manager 	
	Storage Management <ul style="list-style-type: none"> ✓ SV RAID Manager ✓ SV Storage Manager 		Inspection <ul style="list-style-type: none"> ✓ SV Online Diagnostics ♦ SV Customer Self Service <ul style="list-style-type: none"> - Local Service Panel - Local Service Display 	

✓ = standard / free of charge, ♦ = optional



MORE INFORMATION ON PRIMERGY SERVERVIEW SUITE:
<http://ts.fujitsu.com/serverview>

Published by:
 Fujitsu Limited

Order number: 10431-3-1111-EN
 Realization: www.tmc-gmbh.de (10151)

Website: <http://ts.fujitsu.com/primergy>
 Copyright © Fujitsu Technology Solutions GmbH, 11/2011



All rights reserved, including intellectual property rights. Technical data subject to modifications and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see ts.fujitsu.com/terms_of_use.html