

Data Sheet

FUJITSU Server PRIMERGY TX300 S8 Tower Server

Reliable performance for your business

FUJITSU Server PRIMERGY systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as density-optimized scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, and provide more agility in daily operations in order to turn IT faster into a business advantage.

Perfect for small and medium businesses as well as branch offices, FUJITSU Server PRIMERGY TX tower systems are robust and cost-efficient servers by providing rock solid reliability. Additionally they are characterized by simple IT operations, low power consumption and quiet operation so that they can be handled by non-technically trained staff and can be used in standard office environments. By the way: Almost all PRIMERGY TX servers can be rack-mounted to offer best flexibility.

PRIMERGY TX300 S8

The FUJITSU Server PRIMERGY TX300 S8 offers maximum performance, best extendability and highest availability without any compromises. Branches, data centers and SMEs value the performance of up to two Intel® Xeon® E5 v2 processors in combination with a maximum 1536 GB RAM and GPU card support (General Purpose Computation on Graphics Processing Units). 10 extension slots and up to 24 2.5 inch hard disks enable excellent extendability options. Thanks to a redundant power supply and fans as well as a range of different RAID controllers the Tower Server ensures top availability levels and "peace of mind". The server is thus ideal for computing-intensive applications, virtualization solutions

and databases. Furthermore, the comprehensive Fujitsu ServerView® Suite provides support for administrators during server installation, deployment and administration.



Features & Benefits

Main Features	Benefits
<p>Meet today's demand and be prepared for future requirements</p> <ul style="list-style-type: none"> ■ Intel Xeon E5-2600 v2 product family with up to 12 core processors and Turbo Boost 2.0 ■ Up to 2 NVIDIA® GPU cards or Intel® Xeon® Phi™ cards <p>Lifecycle investment protection</p> <ul style="list-style-type: none"> ■ Expanded scalability of up to 24 DIMMs with 1536 GB memory, up to 24 hard disk drives and 10 PCIe slots ■ New modular concept for the base unit as well as a choice for LAN controller, RAID controller and power supplies ■ Upgrade kits for hard disk drives, backup devices as well as LTO drives <p>Cost efficient operations</p> <ul style="list-style-type: none"> ■ Comprehensive power management including pre-defined power profiles and a scheduled mode to switch between the profiles automatically ■ 4 hot-plug PSU with 94 % efficiency (96 % planned) ■ Fujitsu ServerView Suite offers tools for installation and deployment, permanent status monitoring and control. A wide range of integration packs allow a seamless and easy integration in widely-used enterprise management systems 	<ul style="list-style-type: none"> ■ Increased performance of at least 30 % compared to the previous generation ■ Optimized for business applications, cloud and virtualization as well as for computationally intensive applications, e.g. high performance computing (HPC) or computer tomography ■ Maximum expandability to meet future demand ■ Individual and cost-saving configuration of the server according to the need of today with upgrade option to meet the demand of tomorrow ■ Upgrade kits save budget as the system can be upgraded when the company grows and thus protect the investment ■ Ability to protect the data by integrating LTO drives ■ Simplified power management that adjust the power consumption accordingly to the current usage or to the given power policy. ■ Fujitsu ServerView Suite provides all the functions for fail-safe, flexible and automated 24x7 server operations and improves end-user productivity via intelligent and innovative system management solutions

Technical details

PRIMERGY TX300 S8		
Base unit	PRIMERGY TX300 S8 LFF	PRIMERGY TX300 S8 SFF
Housing types	Tower	Tower
Storage drive architecture	3.5-inch	2.5-inch
Power supply	Hot-plug	Hot-plug
Mainboard		
Mainboard type	D2949	
Chipset	Intel® C600 (Patsburg A)	
Processor quantity and type	1 - 2 x Intel® Xeon® processor E5-2600 v2 product family	
Processor		
	Intel® Xeon® processor E5-2603v2 (4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W)	
	Intel® Xeon® processor E5-2609v2 (4C/4T, 2.50 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W)	
	Intel® Xeon® processor E5-2620v2 (6C/12T, 2.10 GHz, TLC: 15 MB, Turbo: 2.40 GHz, 7.2 GT/s, Mem bus: 1,600 MHz, 80 W)	
	Intel® Xeon® processor E5-2630Lv2 (6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: 2.60 GHz, 7.2 GT/s, Mem bus: 1,600 MHz, 60 W)	
	Intel® Xeon® processor E5-2630v2 (6C/12T, 2.60 GHz, TLC: 15 MB, Turbo: 2.90 GHz, 7.2 GT/s, Mem bus: 1,600 MHz, 80 W)	
	Intel® Xeon® processor E5-2637v2 (4C/8T, 3.50 GHz, TLC: 15 MB, Turbo: 3.60 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)	
	Intel® Xeon® processor E5-2640v2 (8C/16T, 2.00 GHz, TLC: 20 MB, Turbo: 2.30 GHz, 7.2 GT/s, Mem bus: 1,600 MHz, 95 W)	
	Intel® Xeon® processor E5-2643v2 (6C/12T, 3.50 GHz, TLC: 25 MB, Turbo: 3.40 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)	
	Intel® Xeon® processor E5-2650Lv2 (10C/20T, 1.70 GHz, TLC: 25 MB, Turbo: 1.90 GHz, 8.0 GT/s, Mem bus: 1,600 MHz, 70 W)	
	Intel® Xeon® processor E5-2650v2 (8C/16T, 2.60 GHz, TLC: 20 MB, Turbo: 3.00 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 95 W)	
	Intel® Xeon® processor E5-2660v2 (10C/20T, 2.20 GHz, TLC: 25 MB, Turbo: 2.60 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 95 W)	
	Intel® Xeon® processor E5-2667v2 (8C/16T, 3.30 GHz, TLC: 25 MB, Turbo: 3.60 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)	
	Intel® Xeon® processor E5-2670v2 (10C/20T, 2.50 GHz, TLC: 25 MB, Turbo: 2.90 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W)	
	Intel® Xeon® processor E5-2680v2 (10C/20T, 2.80 GHz, TLC: 25 MB, Turbo: 3.10 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W)	
	Intel® Xeon® processor E5-2690v2 (10C/20T, 3.00 GHz, TLC: 25 MB, Turbo: 3.30 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)	
	Intel® Xeon® processor E5-2695v2 (12C/24T, 2.40 GHz, TLC: 30 MB, Turbo: 2.80 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W)	
	Intel® Xeon® processor E5-2697v2 (12C/24T, 2.70 GHz, TLC: 30 MB, Turbo: 3.00 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)	
Memory slots	24 (12 DIMMs per CPU, 4 channels with 3 slots per channel)	
Memory slot type	DIMM (DDR3)	
Memory capacity (min. - max.)	4 GB - 1536 GB	
Memory protection	Advanced ECC Memory Scrubbing SDDC (Chipkill™) Rank sparing memory support Memory Mirroring support	
Memory notes	Max. 8 memory modules/CPU with UDIMM (low voltage or standard) OR quad-rank RDIMM; max. 12 memory modules/CPU with single or dual-rank RDIMM or single, dual-rank or quad-rank Load-Reduced (LR) DIMM. Memory Mirroring with identical modules in both channel pairs of a bank (4 modules per bank), Rank sparing or Performance Mode with identical modules in all four channels (4 modules per bank).	
Memory options		
	4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank	
	8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank	
	8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1,866 MHz, PC3-14900, DIMM, dual rank	
	16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank	
	16 GB (1 module(s) 16 GB) DDR3, registered, ECC, 1,866 MHz, PC3-14900, DIMM, dual rank	
	32 GB (1 module(s) 32 GB) DDR3 LR, registered, ECC, 1,866 MHz, PC3-14900, DIMM, 4Rx4	
	32 GB (1 module(s) 32 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, quad rank	
	64 GB (1 module(s) 64 GB) DDR3 LR, registered, ECC, 1,333 MHz, PC3-10600, DIMM, octo rank	
Memory options	8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank	
Interfaces		
USB 2.0 ports	10 x USB 2.0 (2x front, 4x rear, 2x internal for backup devices, 1x USB stick, 1x USSD)	

Interfaces

Graphics (15-pin)	2 x VGA (thereof 1x front optional)
Serial 1 (9-pin)	1 x serial RS-232-C, usable for iRMC S3 or system or shared
LAN / Ethernet	2 x Gbit/s Ethernet (RJ45) with upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x 10 Gbit/s (SFP+)
Management LAN (RJ45)	1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard Gbit LAN port or optional Modular LAN 2x10 Gbit controller Front Service LAN port as option

Onboard or integrated Controller

RAID controller	4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/10 or SAS LTO device (Intel C600) additional RAID controller options are described under Components RAID controller
SATA Controller	Intel® C600, 2 x SATA channel for ODD
LAN Controller	Intel® Ethernet Controller I350. 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration). Modular integrated on-board LAN offers upgrade options for additional 2x1 Gbit/s, 4x 1 Gbit/s or 2x 10 Gbit/s. PXE-Boot via LAN from PXE server, iSCSI boot (also diskless)
Remote management controller	Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller) IPMI 2.0 compatible
GPU / coprocessor	1-2 NVIDIA® Tesla™ K20 and K20X GPGPU 1-2 Intel® Xeon® Phi 3120P / 5110P / 7120P coprocessor
Trusted Platform Module (TPM)	Infineon / separate module; TCG V1.2 compliant (option)

Slots

PCI-Express 3.0 x4 (mech. x8)	2 x Full height (2nd processor required)
PCI-Express 3.0 x8	4 x Full height (1 is reserved for Modular RAID controller)
PCI-Express 3.0 x8 (mech. x16)	1 x Full height
PCI-Express 3.0 x16	2 x Full height (2nd processor required)
PCI-Express 2.0 x4 (mech. x8)	1 x Full height (2nd processor required)
Slot Notes	One PCIe Gen3 x8 slot may be occupied with a modular LAN controller if configured. One PCIe Gen3 x8 slot may be occupied with a modular RAID controller if configured. Important: 5 PCIe slots are supported with the first processor. 10 PCIe slots are supported with two processors. Possible slot length is described in the relevant system configurator
Storage drive bays	3.5-inch or 2.5-inch hot-plug SAS/SATA
Accessible drive bays	3 x 5.25/1.6-inch
Notes accessible drives	All possible options described in relevant system configurator.

Drive bays

Storage drive bays	Max 12 (4 + 4 + 4) x 3.5-inch	Max 24 (8 + 8 + 8) x 2.5-inch
Optional accessible drives	3x 5.25/1.6-inch bay for accessible devices (HDD: 4x 3.5-inch hot-plug SAS/SATA or LTO drive)	3x 5.25/1.6-inch bay for accessible devices (HDD: 8x 2.5-inch hot-plug SAS/SATA and LTO drive)
Number of fans	4	
Fan configuration	4x single hot plug fans Ø90mm plus optional 2x single hot plug fans Ø90mm for redundancy	

Operating panel

Operating buttons	On/off switch Reset button NMI button ID button
Status LEDs	System status (orange / yellow) Identification (blue) Hard disks access (green) Power (amber / green) At system rear side: System status (orange / yellow) Identification (blue) LAN connection (green) LAN speed (green / yellow)
Service display	Optional: ServerView Local Service Display (LSD)

BIOS

BIOS features	ROM based setup utility Recovery BIOS BIOS settings save and restore Local BIOS update from USB device Online update tools for main Windows and Linux versions Local and remote update via ServerView Update Manager SMBIOS V2.4 Remote PXE boot support Remote iSCSI boot support
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Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software	Microsoft® Hyper-V Server 2012 R2 Microsoft® Windows Server® 2012 R2 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Storage Server 2012 R2 Standard Microsoft® Hyper-V Server 2012 Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 Standard Microsoft® Windows Storage Server 2012 Standard Microsoft® Hyper-V™ Server 2008 R2 Microsoft® Windows Server® 2008 R2 Datacenter Microsoft® Windows Server® 2008 R2 Enterprise Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows® Web Server 2008 R2 Microsoft® Windows® Small Business Server 2011 Premium Add-On Microsoft® Windows® Small Business Server Standard 2011 Microsoft® Windows® Server 2008 Datacenter Microsoft® Windows® Server 2008 Enterprise Microsoft® Windows® Server 2008 Standard Microsoft® Windows® Web Server 2008 VMware vSphere™ 5.5 VMware vSphere™ 5.1 Embedded VMware vSphere™ 5.1 VMware vSphere™ 5.0 Embedded VMware vSphere™ 5.0 SUSE® Linux Enterprise Server 12 SUSE® Linux Enterprise Server 11 Red Hat® Enterprise Linux 7 Red Hat® Enterprise Linux 6 Red Hat® Enterprise Linux 5 Red Hat® Enterprise Linux 5 with XEN Citrix® XenServer®
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	Support of other Linux derivatives on demand

Server Management

Standard	ServerView Suite - Deploy SV Installation Manager SV Scripting Toolkit ServerView Suite - Control Operations Manager incl. PDA and ASR & R (Prefailure and Analysis; Automatic Server Recovery and Restart) Agents and CIM Providers System Monitor RAID Manager Capacity Management Power Management Storage Support ServerView Suite - Maintain Remote Management (iRMC in combination with Intel® Node Manager) Update Management (BIOS, Firmware, Windows Drives and SV Agents) Performance Measurement Asset Management Online Diagnostics ServerView Suite - Integrate Integration packs e.g. for Microsoft System Center, VMware vCenter, Nagios, HP SIM and others
Option	ServerView Suite - Maintain iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media ServerView Suite - Dynamize Virtual-IO Manager (VIOM) Resource Orchestrator Virtual Edition (ROR VE) Resource Orchestrator Cloud Edition (ROR CE) ServerView Suite - Integrate Integration pack for Fujitsu ManageNow® solution

Dimensions / Weight

Floor-stand (W x D x H)	177 x 777 x 456 mm
Weight	up to 35 kg
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit as option

Environmental

Operating ambient temperature	10 - 35 °C
Operating relative humidity	10 - 85 % (non condensing)
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	Measured according to ISO 7779 and declared according to ISO 9296
Sound pressure (LpAm)	Minimum noise : 24 dB(A) (idle) / 25 dB(A) (operating) Typical noise : 27 dB(A) (idle) / 27 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	Minimum noise : 4,1 B (idle) / 4,2 B (operating) Typical noise : 4,4 B (idle) / 4,5 B (operating)
Noise notes	Noise emissions and operation modes depend on system configuration.

Electrical values

Power supply configuration	1-4x hot-plug power supply
Max. output of single power supply	450 W (94 % efficiency); 800 W (94 % / 96 % efficiency)
Power supply efficiency	94 % (80 PLUS platinum) 96 % (80 PLUS titanium)
Hot-plug power supply redundancy	Yes
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Active power (max. configuration)	1,070 W
Apparent power (max. configuration)	1,080 VA
Heat emission	3852.0 kJ/h (3651.0 BTU/h)
Power Supply Notes	Power Safeguard adapts system performance in case the wattage exceeds supply limits. !96% Titanium Power supply unit is only released for 200-240V

http://ts.fujitsu.com/products/standard_servers/e_efficient.html

Compliance

Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic equipment)
Germany	GS
Europe	CE Class A *
USA/Canada	CSAc/us FCC Class A
Japan	VCCI
China	CCC (planned)
Australia/New Zealand	C-Tick
Taiwan	CNS 13438 class A - planned
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Components

Storage drives

SSD SATA, 6 Gb/s, 800 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 800 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 480 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 480 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 240 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 240 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 120 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 120 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
SSD SAS, 12 Gb/s, 1.6 TB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
SSD SAS, 12 Gb/s, 1.6 TB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
PCIe-SSD, 785 GB, MLC, Flash drive, 7.7 DWPD (drive writes per day)
PCIe-SSD, 365 GB, MLC, Flash drive, 6 DWPD (drive writes per day)
PCIe-SSD, 1.2 TB, MLC, Flash drive, 7.7 DWPD (drive writes per day)
HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical
HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical
HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical
HDD SAS, 6 Gb/s, 900 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 6 Gb/s, 600 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 600 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical
HDD SAS, 6 Gb/s, 450 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 6 Gb/s, 450 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 450 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 300 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 146 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 4 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical

Backup Drives	LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s LTO5HH Ultrium, 1,500 GB, 140 MB/s, half height, SAS 6Gb/s LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s RDX Drive, 320 GB, 500 GB, 1 TB, 25 MB/s, half height, USB 3.0
Optical drives	Blu-ray Disc™ Triple Writer, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I DVD-ROM, (16xDVD; 48xCD), half height, SATA I DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I
SCSI / SAS Controller	SAS Ctrl. 6 Gbit/s 8 ports ext. PCIe 2.0 x8
RAID Controller	RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID EP420i, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID EP400i, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108 RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, LSI LSI MegaRAID SAS 9286CV-8e, RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208) RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116C), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208) RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int. RAID level: 0, 1, 10, No BBU support
Fibre Channel controller	Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Qlogic QLE2560 MMF LC-style Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Qlogic QLE2562 MMF LC-style Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Emulex LPe1250 MMF LC-style Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Emulex LPe12002 MMF LC-style Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Emulex LPe16000B LC-style Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Emulex LPe16002B LC-style Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Qlogic QLE2670 LC-style Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QLE2672 LC-style
Communication, Network	Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Emulex) Ethernet Ctrl. 1 x 1 Gbit/s PCIe 1.1 x1 RJ45 (Intel®) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.0 x8 SFP+ (Fujitsu) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 RJ45 (Intel®) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Emulex) Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 (Intel®) Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 (Intel®) InfiniBand HCA 1 x 40 Gbit/s PCIe 2.0 x8 QSFP (Intel®) InfiniBand HCA 1 x 40 Gbit/s PCIe 3.0 x8 QSFP (Mellanox) InfiniBand HCA 1 x 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed (Mellanox) InfiniBand HCA 2 x 40 Gbit/s PCIe 2.0 x8 QSFP (Intel®) InfiniBand HCA 2 x 40 Gbit/s PCIe 3.0 x8 QSFP (Mellanox) InfiniBand HCA 2 x 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed (Mellanox)
Coprocessor	NVIDIA® Tesla™ K20, 2,496 cores, PCIe 2.0 x16 NVIDIA® Tesla™ K20X, 2,688 cores, PCIe 2.0 x16 NVIDIA® Tesla™ K40, 2,880 cores, PCIe 3.0 x16
Graphics add on cards (optional)	NVIDIA® GRID K1 16 GB, 768 cores, PCIe 3.0 x16 NVIDIA® GRID K2 8GB, 3,072 cores, PCIe 3.0 x16
Graphics add on cards	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA

Coprocessor	Intel® Xeon Phi™ 3120P, 57 Cores / 228 Threads, PCIe 2.0 x16
	Intel® Xeon Phi™ 31S1P, 57 Cores / 228 Threads, PCIe 2.0 x16
	Intel® Xeon Phi™ 5110P, 60 Cores / 240 Threads, PCIe 2.0 x16
	Intel® Xeon Phi™ 7120P, 61 Cores / 244 Threads, PCIe 2.0 x16

Warranty	
Standard Warranty	3 years
Service level	Onsite Service
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM

Product Support Services - the perfect extension	
Support Pack Options	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	24x7 Onsite Service with 4h Response Time
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/products/product-support-services/

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY TX300 S8, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY TX300 S8, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



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