

# Data Sheet

## FUJITSU Server PRIMERGY TX2560 M1 Tower Server

Reliable performance for your business

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### PRIMERGY TX2560 M1

The FUJITSU Server PRIMERGY TX2560 M1 offers maximum performance, best expandability and highest availability without any compromises. Branches, data centers and SMEs value the performance of up to two Intel® Xeon® E5 v3 processors in combination with a maximum 1536 GB DDR4 memory. Up to 10 extension slots and up to 32 2.5-inch hard disks enable excellent expandability 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 performance hungry applications, virtualization solutions and storage demanding scenarios. Furthermore, the comprehensive Fujitsu ServerView® Suite provides support for administrators during server installation, deployment and administration.



# Features & Benefits

Main Features	Benefits
<p><b>Meet today's demand and be prepared for future requirements</b></p> <ul style="list-style-type: none"><li>■ Intel® Xeon® E5-2600 v3 product family with up to 18 cores</li><li>■ Up to 1.532 GB DDR4 memory and up to 10 PCIe Gen3 slots</li><li>■ Expanded scalability of up to 32x 2.5-inch or up to 12 3.5-inch plus 2x 2.5-inch storage drives</li></ul> <p><b>Lifecycle investment protection</b></p> <ul style="list-style-type: none"><li>■ New modular concept for the base unit as well as a choice for LAN controller, RAID controller and power supplies</li><li>■ Upgrade kits for hard disk drives, backup devices as well as LTO drives</li></ul> <p><b>Cost efficient operations</b></p> <ul style="list-style-type: none"><li>■ Comprehensive power management including pre-defined power profiles and a scheduled mode to switch between the profiles automatically</li><li>■ Two hot-plug power supply units with up to 96 % efficiency</li><li>■ 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</li></ul>	<ul style="list-style-type: none"><li>■ Increased general computing performance of up to 38% compared to the previous generation</li><li>■ Optimized for performance hungry applications, virtualization solutions and storage demanding scenarios.</li><li>■ Individual and cost-saving configuration of the server according to the need of today with upgrade option to meet the demand of tomorrow</li><li>■ Upgrade kits save budget as the system can be upgraded when the company grows and thus protect the investment</li><li>■ Ability to protect the data by integrating LTO drives</li><li>■ Simplified power management that adjusts the power consumption accordingly to the current usage or to the given power policy</li><li>■ 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</li></ul>

# Technical details

<b>PRIMERGY TX2560 M1</b>	
Base unit	PRIMERGY TX2560 M1
Housing types	Tower
Power supply	Hot-plug
Product Type	Dual Socket Tower Server
<b>Mainboard</b>	
Mainboard type	D3289
Chipset	Intel® C612
Processor quantity and type	1 - 2 x Intel® Xeon® processor E5-2600 v3 product family
Graphics add on cards	Professional 2D: NVIDIA® NVS™ 315, PCIe x16, 2 x DVI/VGA
<b>Processor</b>	Intel® Xeon® processor E5-2699v3 (18C/36T, 2.30 GHz, up to 2.8 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2698v3 (16C/32T, 2.30 GHz, up to 2.8 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2697v3 (14C/28T, 2.60 GHz, up to 3.1 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2695v3 (14C/28T, 2.30 GHz, up to 2.8 GHz, 9.6 GT/s)
<b>Processor</b>	Intel® Xeon® processor E5-2690v3 (12C/24T, 2.60 GHz, up to 3.1 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2683v3 (14C/28T, 2.00 GHz, up to 2.5 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2680v3 (12C/24T, 2.50 GHz, up to 2.9 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2670v3 (12C/24T, 2.30 GHz, up to 2.6 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2667v3 (8C/16T, 3.20 GHz, up to 3.4 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2660v3 (10C/20T, 2.60 GHz, up to 2.9 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2650v3 (10C/20T, 2.30 GHz, up to 2.6 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2650Lv3 (12C/24T, 1.80 GHz, up to 2.1 GHz, 9.6 GT/s)
<b>Processor</b>	Intel® Xeon® processor E5-2643v3 (6C/12T, 3.40 GHz, up to 3.6 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2640v3 (8C/16T, 2.60 GHz, up to 2.8 GHz, 8.0 GT/s)
	Intel® Xeon® processor E5-2637v3 (4C/8T, 3.50 GHz, up to 3.6 GHz, 9.6 GT/s)
	Intel® Xeon® processor E5-2630v3 (8C/16T, 2.40 GHz, up to 2.6 GHz, 8.0 GT/s)
	Intel® Xeon® processor E5-2630Lv3 (8C/16T, 1.80 GHz, up to 2.1 GHz, 8.0 GT/s)
	Intel® Xeon® processor E5-2623v3 (4C/8T, 3.00 GHz, up to 3.3 GHz, 8.0 GT/s)
	Intel® Xeon® processor E5-2620v3 (6C/12T, 2.40 GHz, up to 2.6 GHz, 8.0 GT/s)
	Intel® Xeon® processor E5-2609v3 (6C/6T, 1.90 GHz, 6.4 GT/s)
	Intel® Xeon® processor E5-2603v3 (6C/6T, 1.60 GHz, 6.4 GT/s)
	<b>Memory slots</b>
<b>Memory slot type</b>	DIMM (DDR4)
<b>Memory capacity (min. - max.)</b>	8 GB - 1536 GB
<b>Memory protection</b>	Advanced ECC Memory Scrubbing SDDC Rank sparing memory support Memory Mirroring support
<b>Memory notes</b>	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).
<b>Standard memory modules</b>	8 GB (1 8 GB) DDR4, registered, ECC, 2,133 MT/s, PC4-2133R, DIMM, 1Rx4
	8 GB (1 8 GB) DDR4, registered, ECC, 2,133 MT/s, PC4-2133R, DIMM, 2Rx8
	16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,133 MT/s, PC4-2133R, DIMM, 2Rx4
	32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,133 MT/s, PC4-2133P, LRDIMM, 4Rx4
	32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,133 MT/s, PC4-2133R, DIMM, 2Rx4
	64 GB (1 64 GB) DDR4, registered, ECC, 2,133 MT/s, PC4-2133P, LRDIMM, 4Rx4

<b>Interfaces</b>	
USB 2.0 ports	4 x USB 2.0 (2x rear, 1x internal, 1x UFM internal boot device)
USB 3.0 ports	5 x USB 3.0 (2x rear, 1x internal for RDX drives, 2x front)
Graphics (15-pin)	2 x VGA (thereof 1x front optional)
Serial 1 (9-pin)	1 x serial RS-232-C optional, usable for iRMC S4 or system or shared
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 LAN controller port, speed and connector is related to installed interface card.
<b>Onboard or integrated Controller</b>	
RAID controller	All hardware storage controller options are described under Components
SATA Controller	Intel® C612, 1 x SATA connector for optical drive (ODD), 1x SATA connector for SATA-DOM
LAN Controller	DynamicLoM based on Emulex XE100 series Dynamic LoM connector cards are optional. The Controller Cards offer 2 LEDs 1) activity/connect (green) 2) speed (green/orange). PXE-Boot via LAN from PXE server, iSCSI / FCoE boot (also diskless).  Intel® Ethernet Controller I210 supported (on project request only).
Remote management controller	Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller) IPMI 2.0 compatible
Trusted Platform Module (TPM)	Infineon / TPM 1.2 module; TCG compliant (option)
<b>Slots</b>	
PCI-Express 3.0 x4	4 x Full height optional; slot 5+6 (CPU1, riser card); slot 11+12 (CPU2, riser card), 252mm length
PCI-Express 3.0 x8	5 x Full height ; slot 1 (CPU1, modular RAID, 167mm), slot 2 (CPU1, 167mm), opt. slot 4 (CPU1, opt. riser card, 252mm); opt. slot 8 (CPU2, 167mm), opt. slot 10 (CPU2, opt. riser card, 252mm)
PCI-Express 3.0 x16	3 x Full height ; slot 3 (CPU1), slot 8+9 (CPU2), 167mm length; please be aware, optional riser cards occupies slot 3 / 9!
Slot Notes	Slot 1: PCIe Gen3 x8 slot is dedicated for the modular RAID controller. up to 5 PCIe Gen3 slots are supported with the first processor, up to 10 PCIe Gen3 slots are supported with two processors. Onboard slots (Slot1, 2, 3 & 7, 8, 9) support card length of up to 167mm; Slots on the optional riser cards (4, 5, 6, 10, 11, 12) support card length of up to 252mm
Storage drive bays	3.5-inch or 2.5-inch hot-plug SAS/SATA, or 2.5-inch non hot-plug PCIe
Accessible drive bays	3 x 5.25/1.6-inch
Notes accessible drives	All possible options described in relevant system configurator.
<b>Drive bays</b>	
Storage drive bays	3.5-inch SAS/SATA: Max. 12x hot-plug HDD + opt. 2x 2.5-inch non hot-plug HDD/SSD 2.5-inch SAS/SATA: Max. 32x hot-plug HDD/SSD 2.5-inch PCIe: Max. 8x non hot-plug SSD
Optional accessible drives	up to 3x 5.25/1.6-inch bay for accessible devices (depending on the amount of storage drive bays)
<b>Fan Configuration</b>	
Number of fans	3
Fan configuration	redundant / single hot-plug (each fan can be exchanged separately)
Fan notes	2+1 redundant, huge 120mm fans with optimized fan geometry for silent and safe operation
<b>Operating panel</b>	
Operating buttons	On/off switch Reset button NMI button ID button

**Operating panel**

<b>Status LEDs</b>	CSS (orange) Global error (orange) Power (green) Identification (blue) AC available (green) At system rear side: LAN connection / activity (green) (optional) LAN speed (green / yellow) (optional)
<b>Service display</b>	Optional: ServerView Local Service Display (LSD)

**BIOS**

<b>BIOS features</b>	UEFI compliant Legacy BIOS compatibility customer configuration option Secure boot support ROM based setup utility GPT support for boot drives larger than 2.2 TB Memory Redundancy support (Mirroring, Sparing) IPMI support Recovery BIOS BIOS settings save and restore Local BIOS update from USB device Online update tools for main Linux versions Local and remote update via ServerView Update Manager IPv4/IPv6 remote PXE & iSCSI boot support
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**Operating Systems and Virtualization Software**

<b>Certified or supported operating systems and virtualization software</b>	Hyper-V Server 2012 R2 Windows Server 2012 R2 Datacenter Windows Server 2012 R2 Standard Windows Storage Server 2012 R2 Standard Hyper-V Server 2012 Windows Server 2012 Datacenter Windows Server 2012 Standard Windows Storage Server 2012 Standard Windows Server 2008 R2 Datacenter Windows Server 2008 R2 Enterprise Windows Server 2008 R2 Standard VMware vSphere™ 6.0 VMware vSphere™ 5.5 VMware vSphere™ 5.1 Embedded VMware vSphere™ 5.1 SUSE® Linux Enterprise Server 12 SUSE® Linux Enterprise Server 11 Red Hat® Enterprise Linux 7 Red Hat® Enterprise Linux 6 Citrix® XenServer®
<b>Operating system release link</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473</a>
<b>Operating system notes</b>	Support of other Linux derivatives on demand

**Server Management****Dimensions / Weight**

<b>Floor-stand (W x D x H)</b>	177 x 777 x 456 mm
<b>Height Unit Rack</b>	4 U
<b>19" rackmount</b>	No
<b>Weight</b>	up to 35.5 kg

<b>Dimensions / Weight</b>	
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Rack integration kit</b>	Rack integration kit as option
<b>Environment</b>	
<b>Electrical values</b>	
<b>Power supply configuration</b>	1x hot-plug power supply or 2 x hot-plug power supply for redundancy
<b>Hot-plug power supply redundancy</b>	Optional
<b>Active power (max. configuration)</b>	748 W
<b>Apparent power (max. configuration)</b>	752 VA
<b>Heat emission (max. configuration)</b>	2692.8 kJ/h (2552.3 BTU/h)
<b>Rated current max.</b>	9 A (100 V) / 3.5 A (240 V)
<b>Power supply</b>	450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 800W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 800W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz
<b>Power supply notes</b>	Power Safeguard adapts system performance in case the power requirements exceeds supply limits. !96% Titanium Power supply unit is only released for 200-240V
<b>Compliance</b>	
<b>Global</b>	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic equipment)
<b>Germany</b>	GS
<b>Europe</b>	CE
<b>USA/Canada</b>	CSAc/us FCC Class A
<b>Japan</b>	VCCI:V3 Class A + JIS 61000-3-2
<b>China</b>	CCC (planned)
<b>Australia/New Zealand</b>	C-Tick
<b>Taiwan</b>	CNS 13438 class A - planned
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>
<b>Compliance notes</b>	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

<b>Backup Drives</b>	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
<b>Backup Drives</b>	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
<b>Optical drives</b>	Blu-ray Disc™ Triple Writer, (6x BD-RW, 8x DVD, 24x CD), ultraslim, 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 DVD Super Multi ultra slim , (8x DVD; 24x CD) , ultraslim, SATA I
<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, non hot plug, 2.5-inch, business critical HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical

<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 4 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical
<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical
<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, non hot plug, 2.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical
<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
<b>Hard disk drives</b>	HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
	HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
	HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical
	HDD SAS, 12 Gb/s, 450 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
<b>Hard disk drives</b>	HDD SAS, 12 Gb/s, 450 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 450 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
	HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, non hot plug, 2.5-inch, enterprise
<b>Hard disk drives</b>	HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
	HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
	HDD SAS, 12 Gb/s, 4 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
	HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
	HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
	HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise
	HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
	HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
	HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical
<b>Hard disk drives</b>	HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
<b>Hard disk drives</b>	HDD SAS, 6 Gb/s, 900 GB, 10,000 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, non hot plug, 2.5-inch, business critical
<b>Hard disk drives</b>	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
<b>Hard disk drives</b>	HDD SAS, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
	HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, non hot plug, 2.5-inch, business critical
<b>Hard disk drives</b>	HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
<b>Solid-State-Drive</b>	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise

	SSD SATA, 6 Gb/s, 800 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
<b>Solid-State-Drive</b>	SSD SATA, 6 Gb/s, 480 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
<b>Solid-State-Drive</b>	SSD SATA, 6 Gb/s, 240 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	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, non hot plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 120 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
<b>Solid-State-Drive</b>	SSD SATA, 6 Gb/s, 120 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 120 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise, 10 DWPD (drive writes per day for 5 years)
	SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise, 10 DWPD (drive writes per day for 5 years)
<b>Solid-State-Drive</b>	SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise, 10 DWPD (drive writes per day for 5 years)
<b>PCIe SSD &amp; SATA DOM SSD</b>	PCIe-SSD SFF, 800 GB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day for 5 years)
	PCIe-SSD SFF, 2 TB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day for 5 years)
	PCIe-SSD SFF, 1.6 TB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day for 5 years)
	PCIe-SSD AIC, 5.2 TB, MLC, Standard Height, Half-Length, Flash drive, 6.7 DWPD (drive writes per day for 5 years)
	PCIe-SSD AIC, 2.6 TB, MLC, Low Profile, Flash drive, 6.7 DWPD (drive writes per day for 5 years)
	PCIe-SSD AIC, 1.3 TB, MLC, Low Profile, Flash drive, 6.7 DWPD (drive writes per day for 5 years)
<b>PCIe SSD &amp; SATA DOM SSD</b>	DOM SATA, 6 Gb/s, 128 GB, non hot plug, enterprise, 0.054 DWPD (drive writes per day for 5 years)
	DOM SATA, 6 Gb/s, 64 GB, non hot plug, enterprise, 0.054 DWPD (drive writes per day for 5 years)
<b>SCSI / SAS Controller</b>	Fujitsu PSAS CP400i SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8 Fujitsu PSAS CP400e FH SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8
<b>RAID Controller</b>	Fujitsu PRAID EP420i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 Fujitsu PRAID EP420i for SafeStore, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 Fujitsu PRAID EP400i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108 Fujitsu PRAID CP400i, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 1E, 10, 5, 50, No FBU support
<b>Fibre Channel controller</b>	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



<b>Communication, Network</b>	Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex )
	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 10Gbit/s Eth (RJ45) ( Emulex )
	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 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 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed ( Mellanox )
<b>Communication, Network</b>	Interface modul for Dynamic LoM 2 x 10 Gbit/s RJ45 ( Emulex )
	Interface modul for Dynamic LoM 2 x 10 Gbit/s SFP+ ( Emulex )
	Interface modul for Dynamic LoM 2 x 1 Gbit/s RJ45 ( Emulex )
	Interface modul for Dynamic LoM 4 x 1 Gbit/s RJ45 ( Emulex )
<b>Graphics add on cards</b>	NVIDIA® NVS™ 315, PCIe x16, 2 x DVI/VGA
<b>Warranty</b>	
<b>Warranty period</b>	3 years
<b>Warranty type</b>	Onsite warranty
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM">http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM</a>
<b>Product Support Services - the perfect extension</b>	
<b>Support Pack Options</b>	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time (depending on country) 24x7, 4h Onsite Response Time (depending on country)
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX2560 M1, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

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### Software

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## More information

Learn more about Fujitsu PRIMERGY TX2560 M1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://www.fujitsu.com/fts/products/computing/servers/primergy/tower/tx2560m1/>

## Fujitsu green policy innovation

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