# Data Sheet
# FUJITSU Server PRIMERGY TX1330 M4 Tower Server

## Highly expandable advanced server for typical SME business requirements

FUJITSU Server PRIMERGY will give you the servers you need to power any workload and changing business requirements. As business processes expand so does the need for applications. Each has its own resource footprint, so you need a way to optimize your computing to better serve your users. PRIMERGY systems will help you match your computing capabilities to your business priorities with our complete portfolio of expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers as well as hyper-converged multi-node servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, provide more agility in daily operations, and integrate seamlessly to let help you concentrate on core business functions.

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 TX1330 M4

The FUJITSU Server PRIMERGY TX1330 M4 is an advanced technology, highly expandable and robust mono-socket server to meet multiple industry plus classic small and medium-sized enterprise requirements. It features the latest compute and memory for appropriately sized workloads such as file/print, web, ERP/CRM, email, business specific applications plus use cases with high storage requirements such as centralized storage and databases. It features the latest powerful Intel® Xeon® E-2200/E-2100 product family processors with up to 128GB DDR4 memory at 2,666 MT/s, to boost application performance. The new processors with higher core counts, higher speed plus the doubled memory capacity allow customers to handle demanding workloads without moving to more expensive units. The server has high levels of secure expandability with up to 24x 2.5-inch hot-plug storage devices (3.5-inch drive configurations are also available) along with 4x ultra-fast NVMe devices (up to 16x 2.5-inch devices can be fielded alongside), advanced RAID controllers (up to 4/8GB cache) and data back-up options, making it ideal for consolidating and managing large datasets. Up to 4 PCIe slots are available to add RAID cards, networking options (such as 10/25 Gb controllers). High availability features such as the optional Fujitsu Battery Backup Unit, high-efficiency (94%), redundant power supplies or redundant fans ease operator concerns and provide investment protection. The aesthetic design makes it suitable for deployment in public areas such as showrooms, retail premises or offices. New generation technologies include M.2 modules for efficient OS installation along with Dual microSD capability for VMware ESXi, plus USB 3.1 Gen 2 ports. Furthermore, advanced server management is available via iRMC S5, the Fujitsu ServerView® Suite, and a free ISM Essential license. These provide administrators with comprehensive support across server installation, deployment and administration.

**Note: Check the product configurator for the server compatible components currently available at launch.**

# Features & Benefits

| Main Features | Benefits |
|---|---|
| **Advanced technology for workload-versatile performance** | |
| ■ Wide range of compute/memory with the combination of the latest Intel® Xeon® E-2200/2100 processors, and up to 128GB DDR4 memory (4 DIMMs) at 2,666 MT/s. Affordable Core™ i3 and Pentium® processors are also available. High storage and networking expandability with the server supporting up to 4x NVMe devices plus either 8x3.5-inch storage devices or 16x2.5-inch devices. Maximal capacity with standard drives is up to 12x3.5-inch devices, or up to 24x2.5-inch devices. It also supports Fujitsu's powerful RAID controllers (including SAS 3.0, 4/8 GB cache). Backup options include LTO and RDX. Security optimization includes TPM 2.0 support plus Fujitsu's secure 3-way lock for server access. Server also features redundant (2x1GbE) LAN as standard plus advanced networking options (10/25Gb Ethernet, Fiber Channel controllers). | ■ The server compute and memory can be optimized for most appropriately sized standard workloads across industries with the Intel® Xeon® E-2200 processors offering the highest performance in the toolbox. The workloads can range from appropriately sized, individual to virtualized multi-app environments including workloads such as file/print, email, ERP/CRM, messaging, centralized data storage and industry specific applications. The new higher core count, faster processors and doubled memory capacity make these servers suitable for more powerful applications than their previous generation. In terms of storage and networking, NVMe drives offer ultra-fast storage for low-latency applications, while the server's huge storage capacity offers secure, cost-effective capability to consolidate and manage large datasets, combined with growth potential. Redundant LAN offers reliable data connectivity out of the box. Advanced options such as 10/25 GbE or Fiber Channel networking cards offer high data transfer for demanding environments, e.g. virtualized environments or centralized storage. |
| **Future ready plus capabilities for enhanced utilization** | |
| ■ 4x PCIe Gen3 slots for expansion and deployment flexibility via rack upgrade capability. Support of 2x M.2 modules: 1x SATA; 1x NVMe/SATA and Dual micro-SD modules for efficient boot requirements. New 3.1 Gen2 USB ports (2x 3.1 Gen2 plus 2x 3.1 Gen1, 4x 2.0, Internal 2x 3.1 Gen1) for enhanced connectivity. | ■ PCI expansion slots permit timely, cost-effective upgrades in line with your business growth. Upgrade the server with a graphics card, or Fujitsu RAID controllers for reliable data storage or advanced networking options for seamless data transmission. Similarly, a rack kit provides investment protection; as their business grows, customers can deploy multiple PRIMERGY TX1330 M4 servers in a rack. For effective boot options choose from amongst cost-effective and reliable mirrored SATA modules or deploy high-speed NVMe devices, while Dual microSD modules support mirrored VMware ESXi boot. Technology update with new high data rate USB is good for latest generation peripheral devices. |
| **Designed for expanding usage scenarios and efficiency** | |
| ■ High efficiency 450W power supplies (94% efficiency) are available with both hot-plug capability and redundancy. Fujitsu Battery Backup Unit an optional Internal UPS in modular PSU form-factor, 5 years lifetime, fully integrated. Furthermore, Optimized air flow and Fujitsu's Cool-safe ® Advanced Thermal Design technology offer expanded deployment capability. | ■ Good for the environment, and your business – the high efficiency, redundant power supplies offer enhanced reliability and lower energy expenditure. The Battery Backup Unit protects your valuable investment by supporting safe power down and expanded server operation time in case of power loss. The air flow and Cool-safe ® Advanced Thermal Design technology allow for an expanded range of operation (5 °C to 45 °C) and also reduce noise emissions, making the server suitable for deployment in public areas. |
| **Full server management features and easy serviceability** | |
| ■ Comprehensive software management suite and easy to service design to reduce your IT administrator's burden plus serviceability features are part of the design. | ■ Reduce your IT administrator's burden by simplifying server management via a comprehensive software suite which can include the iRMC S5 and the Fujitsu ServerView suite, which includes tools for installation and deployment, permanent status monitoring and control. The new ISM Essential offers converged infrastructure monitoring and server management free of cost. Enhanced serviceability allows easy, fast and comfortable access to critical components. |

# Technical details

| PRIMERGY TX1330 M4 | | | |
|---|---|---|---|
| **Base unit** | PRIMERGY TX1330 M4 | PRIMERGY TX1330 M4 | PRIMERGY TX1330 M4 |
| **Housing types** | Tower | Tower | Rack |
| **Power supply** | Standard | Hot-plug | Hot-plug |
| **Product Type** | Mono Socket Tower Server | Mono Socket Tower Server | Mono Socket Tower Server |

| Mainboard | |
|---|---|
| **Mainboard type** | D3673 |
| **Chipset** | Intel® C246 |
| **Processor quantity and type** | 1 x Intel® Xeon® E-2200 processor family / Intel® Xeon® E-2100 processor family / Intel® Pentium® processor / Intel® Core™ i3 processor |
| **Processor** | Intel® Xeon® processor E-2288G (8C/16T, 3.70 GHz, up to 4.7 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2286G (6C/12T, 4.00 GHz, up to 4.6 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2278G (8C/16T, 3.40 GHz, up to 4.6 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2276G (6C/12T, 3.80 GHz, up to 4.6 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2274G (4C/4T, 4.00 GHz, up to 4.6 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2246G (6C/12T, 3.60 GHz, up to 4.5 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2244G (4C/8T, 3.80 GHz, up to 4.5 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2236 (6C/12T, 3.40 GHz, up to 4.5 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2234 (4C/8T, 3.60 GHz, up to 4.5 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2226G (6C/6T, 3.40 GHz, up to 4.4 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2224G (4C/4T, 3.50 GHz, up to 4.4 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2224 (4C/4T, 3.40 GHz, up to 4.2 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2186G (6C/12T, 3.80 GHz, up to 4.3 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2176G (6C/12T, 3.70 GHz, up to 4.3 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2174G (4C/8T, 3.80 GHz, up to 4.3 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2146G (6C/12T, 3.50 GHz, up to 4.2 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2144G (4C/8T, 3.60 GHz, up to 4.2 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2136 (6C/12T, 3.30 GHz, up to 4.2 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2134 (4C/8T, 3.50 GHz, up to 4.2 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2126G (6C/6T, 3.30 GHz, up to 4.1 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2124G (4C/4T, 3.40 GHz, up to 4.1 GHz, 2,666 MHz) |
| | Intel® Xeon® processor E-2124 (4C/4T, 3.30 GHz, up to 3.9 GHz, 2,666 MHz) |
| | Intel® Pentium® processor G5420 (2C/4T, 3.80 GHz, 2,400 MHz) |
| | Intel® Pentium® processor G5400 (2C/4T, 3.70 GHz, 2,666 MHz) |
| | Intel® Core™ i3-9100 processor (4C/4T, 3.60 GHz, 2,400 MHz) |
| | Intel® Core™ i3-8100 processor (4C/4T, 3.60 GHz, 2,400 MHz) |
| | Intel® Celeron® processor G4930 (2C/2T, 3.20 GHz, 2,400 MHz) |
| **Memory slots** | 4 |
| **Memory slot type** | DIMM (DDR4) |
| **Memory capacity (min. - max.)** | 4 GB - 128 GB |
| **Memory protection** | ECC |
| **Memory notes** | Mix and match possible; with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible. |
| **Memory options** | 4 GB (1 module(s) 4 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 1Rx8 |
| | 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 1Rx8 |
| | 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 2Rx8 |
| | 32 GB (1 module(s) 32 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 2Rx8 |

| Interfaces | | | |
|---|---|---|---|
| **USB 2.0 ports** | 4 (4x external rear) | | |
| **USB 3.0 ports** | 4 (2x internal, 2x external front, USB 3.0 is now known as USB 3.1 Gen 1). **Server also has 2x external rear USB 3.1 Gen 2 ports** | | |
| **Graphics (15-pin)** | 1 analog graphics interface derived from iRMC (up to 1600x1200 or 1920x1080 at 16bpp) | | |
| **Serial connection** | 1 x serial RS-232-C | | |
| **LAN / Ethernet** | 2 x1 Gb/s Ethernet; RJ45 | | |
| **Management LAN (RJ45)** | 1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s)<br>Management LAN traffic can be switched to shared onboard Gbit LAN port | | |
| **Onboard or integrated Controller** | | | |
| **RAID controller** | Optionally integrated RAID 0/1 or RAID 5/6 controller for SAS base units (occupies one PCIe slot).<br>All hardware storage controller options are described under Components | | |
| **SATA Controller** | Intel® C246, 2 ports used for accessible drives | | |
| **SATA controller type notes** | 4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux; | | |
| **LAN Controller** | Intel® i210 onboard<br>2 x 10/100/1000 Mbit/s Ethernet<br>iSCSI, PXE-Boot and WoL are supported | | |
| **Remote management controller** | Integrated Remote Management Controller (iRMC S5, 512 MB attached memory incl. graphics controller)<br>IPMI 2.0 compatible | | |
| **Trusted Platform Module (TPM)** | TPM 2.0 module (option) | | |
| **Slots** | | | |
| **PCI-Express 3.0 x1 (mech. x4)** | 1 x Full height, up to 168 mm length | | |
| **PCI-Express 3.0 x4** | 1 x Full height, up to 168 mm length | | |
| **PCI-Express 3.0 x8** | 2 x Full height, up to 240 mm length notched | | |
| **Slot Notes** | Optional PCIe to legacy PCI adapter available.<br>In SAS configuration 1x PCI-Express occupied by modular RAID controller. | | |
| **PCI-Express 3.0 x4** | 1 x notched | 1 x notched | 1 x notched |
| **PCI-Express 3.0 x8** | 2 x notched | 2 x notched | 2 x notched |
| **Drive bays** | | | |
| **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. 4x 3.5-inch or 8x 2.5-inch | Max. 12x 3.5-inch or 24x 2.5-inch | |
| **Accessible drive bays** | 3 x 5.25/1.6-inch for 1 x backup drive + 1 x ODD | Accessible drive bays are not available in case of max. storage drive configuration | |
| **Fan Configuration** | | | |
| **Number of fans** | 1 | 2 | |
| **Fan configuration** | 1 standard fan | redundant fans | |
| **Fan notes** | non redundant / non hot-plug | non hot-plug | |
| **Operating panel** | | | |
| **Operating buttons** | On/off switch<br>NMI button<br>Reset button | | |

## Operating panel

| | |
|---|---|
| **Status LEDs** | System status (orange / yellow)<br>Identification (blue)<br>Hard disks access (green)<br>Power (orange / green)<br>At system rear side:<br>System status (orange / yellow)<br>Identification (blue)<br>LAN connection (green)<br>LAN speed (green / yellow)<br>CSS (yellow) |

## BIOS

| | |
|---|---|
| **BIOS features** | ROM based setup utility<br>Recovery BIOS<br>BIOS settings save and restore<br>Local BIOS update from USB device<br>Online update tools for main Linux versions<br>Local and remote update via ServerView Update Manager<br>Remote PXE boot support<br>Remote iSCSI boot support |

## Operating Systems and Virtualization Software

| | |
|---|---|
| **Certified or supported operating systems and virtualization software** | Windows Server 2019 Datacenter |
| | Windows Server 2019 Standard |
| | Windows Server 2019 Essentials |
| | Windows Server Datacenter, version 1809 |
| | Windows Server Standard, version 1809 |
| | Hyper-V Server 2016 |
| | Windows Server 2016 Datacenter |
| | Windows Server 2016 Standard |
| | Windows Server 2016 Essentials |
| | Windows Storage Server 2016 Standard |
| | Windows Server Datacenter, version 1709 |
| | VMware vSphere™ 6.7 |
| | VMware vSphere™ 6.5 |
| | SUSE® Linux Enterprise Server 12 |
| | Red Hat® Enterprise Linux 8 |
| | Red Hat® Enterprise Linux 7 |
| | Univention Corporate Server 4 |
| **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<br>RHEL 7.5 and SLES 15 GA are not supported for the new CPUs including the Intel® Xeon® E-2200 product family. |

| Server Management | |
|---|---|
| **Standard** | Infrastructure Manager (ISM) Essential<br>Node Management<br>Health status Monitoring and Control<br>Capacity/Threshold Management<br>Power Management<br>Converged Management<br>Auto Discovery<br>Remote Management<br>Update Management<br>Logging and Auditing<br>ServerView Suite (Deploy)<br>ServerView Installation Manager<br>ServerView Scripting Toolkit<br>ServerView Suite (Control)<br>ServerView Operations Manager (incl. PDA and ASR & R)<br>ServerView Agents and CIM provider<br>ServerView Agentless Management<br>ServerView System Monitor<br>SVOM- Event Manager<br>ServerView RAID Manager<br>SVOM- Threshold Manager<br>Power Monitor (monitoring the Power Consumption)<br>Power Management (iRMC)<br>Storage Management (server) with SVOM/SV-RAID<br>ServerView Suite (Maintain)<br>iRMC S5 (Remote Management)<br>System Update Manager (BIOS, Firmware, Windows Drives and SV Agents)<br>Performance management (SVOM)<br>Asset Management<br>Primecollect<br>Customer Self Service<br>Online Diagnostics<br>ServerView Suite - Integrate<br>Integration packs for Microsoft System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM |
| **Option** | ServerView Suite (Maintain)<br>ServerView eLCM<br>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media |

| Dimensions / Weight | |
|---|---|
| **Floor-stand (W x D x H)** | 177 x 560 x 455 mm |
| **Rack (W x D x H)** | 483 x 495 x 175 mm |
| **Dimension notes** | Floorstand Width 306 mm with tilt protection; depth measured excludes handles on redundant PSU. Rack depth excludes handles of redundant PSU and rack front. |
| **Mounting Depth Rack** | 543 mm |
| **Height Unit Rack** | 4 U |
| **Weight** | Rack: 13 kg - 25 kg; Tower: 15kg - 28 kg |
| **Weight notes** | Actual weight may vary depending on configuration |
| **Rack integration kit** | Rack integration kit can be ordered as option |

| Environment | |
|---|---|
| **Operating ambient temperature** | 5 - 45 °C (41 - 113 °F) |
| **Operating temperature note** | Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. For detailed information see relevant system configurator. |
| **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 |
| **Sound pressure (LpAm)** | SATA: 23 dB(A) idle mode/ 23 dB(A) operation mode; SAS: 33 dB(A) idle mode/ 37 dB(A) operation mode |
| **Sound power (LWAd; 1B = 10dB)** | SATA: 4.1 B idle mode/ 4.1 B operation mode ; SAS: 4.8 B idle mode/ 5.2 B operation mode |
| **Noise notes** | Noise emissions depend on operation modes, system configuration and ambient temperature. |

| Electrical values | |
|---|---|
| **Power supply configuration** | 1 x standard, 1 x hot-plug, 2 x hot-plug redundant, 1 x hot-plug + 1 x Fujitsu FJBU internal battery backup unit (depending on Model) |
| **Hot-plug power supply redundancy** | Optional |
| **Active power (max. configuration)** | 231 W |
| **Apparent power (max. configuration)** | 235 VA |
| **Heat emission (max. configuration)** | 831.6 kJ/h (788.2 BTU/h) |
| **Rated current max.** | 5 A (100 V) / 2.5 A (240 V) |
| **Active power note** | To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/ |
| **Power supply** | 300W standard, 90% (Gold efficiency), 100-240V, 50 / 60Hz<br>450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz |
| **Power supply notes** | Power Safeguard adapts system performance in case the power requirements exceeds supply limits. |
| **Battery backup** | Fujitsu Battery Unit 380W, 12V (as option) |
| **Compliance** | |
| **Global** | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronical equipment) |
| **Germany** | GS |
| **Europe** | CE |
| **USA/Canada** | CSA us<br>ULc/us<br>FCC Class A |
| **Japan** | VCCI:V3 Class A + JIS 61000-3-2 |
| **Russia** | GOST-R |
| **South Korea** | KC |
| **China** | CCC |
| **Australia/New Zealand** | C-Tick |
| **Taiwan** | BSMI |
| **Compliance link** | https://sp.ts.fujitsu.com/sites/certificates |
| **Compliance notes** | * Warning:<br>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

| | |
|---|---|
| **Backup Drives** | LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s |
| | LTO7HH Ultrium, 2,500 GB, 300 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-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 ultra slim , (8x DVD; 24x CD), ultraslim, SATA I |

| | |
|---|---|
| Hard disk drives | HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, 512e, hot-plug, 3.5-inch, economic |
| | HDD SATA, 6 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | 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, 2 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-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, 512n, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, economic |
| | HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical |
| Hard disk drives | HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, 512n, 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, 600 GB , 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED |
| | 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, 512n, hot-plug, 3.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED |
| | HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED |
| | HDD SAS, 12 Gb/s, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 12 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED |
| | HDD SAS, 12 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 12 Gb/s, 10 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED |
| | HDD SAS, 12 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED |
| | 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, hot-plug, 3.5-inch, business critical |
| | HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED |
| | HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-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, SED |
| | 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, 1.2 TB , 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED |
| | HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |

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| Solid-State-Drive | SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | 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, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.5 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.5 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.0 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| | SSD SATA, 6 Gb/s, 3.84 TB, 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, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 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 M.2 SATA, 6 Gb/s, 480 GB, non hot plug, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| | SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise, for VMware |
| | SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| PCIe SSD & SATA DOM SSD | PCIe-SSD SFF, 4 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPD (Drive Writes Per Day for 5 years) |
| | PCIe-SSD SFF, 2 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPD (Drive Writes Per Day for 5 years) |
| | PCIe-SSD SFF, 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1 DWPD (Drive Writes Per Day for 5 years) |
| | Dual microSD 64GB Enterprise |
| SCSI / SAS Controller | Fujitsu PSAS CP400i SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8 |
| RAID Controller | Fujitsu PRAID EP580i FH, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, Optional FBU based on LSI SAS3516 |
| | Fujitsu PRAID EP540i FH, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3516 |
| | Fujitsu PRAID EP520i FH, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s, 8 Gbit/s 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3516 |
| | Fujitsu PRAID EP420i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>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.<br>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.<br>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.<br>RAID level: 0, 1, 1E, 10, 5, 50, No FBU support |
| Fibre Channel controller | Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Cavium QLE2740 MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Cavium QLE2742 MMF LC-style |
| | Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Emulex LPe32000-M6-F MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Emulex LPe32002-M6-F MMF LC-style |
| | Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Qlogic QLE2690 LC-style |
| | Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QLE2692 LC-style |
| | Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Emulex LPe31000-M6-F MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Emulex LPe31002-M6-F MMF LC-style |

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| **Communication, Network** | Converged Network Adapter 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 ( Cavium ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Cavium ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 SFP+ ( Cavium ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 ( Cavium ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 ( Intel® ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 ( Mellanox ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® ) |
| | Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® ) |
| | Ethernet Ctrl. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Cavium ) |
| | Ethernet Ctrl. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® ) |
| | Ethernet Ctrl. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 SFP+ ( Cavium ) |
| | Ethernet Ctrl. 4 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® ) |
| | Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® ) |
| **Graphics** | NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP |
| **Rack infrastructure** | Rack Mount Kit |
| | Cable Management for 19-inch DataCenter / PRIMECENTER Racks |
| | Cable Arm 2U for PRIMECENTER- and 3rd-party racks |

| **Warranty** | |
|---|---|
| **Warranty period** | 1 year |
| **Warranty type** | Onsite warranty |
| **Warranty Terms & Conditions** | http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM |

**Product Support Services - the perfect extension**

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|---|---|
| **Support Pack Options** | Globally available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time (depending on country)<br>24x7, 4h Onsite Response Time (depending on country) |
| **Recommended Service** | 24x7, Onsite Response Time: 4h - For locations outside of EMEIA please contact your local Fujitsu partner. |
| **Service Lifecycle** | 5 years after end of product life |
| **Service Weblink** | http://www.fujitsu.com/fts/services |

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Server PRIMERGY TX1330 M4, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

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Built 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 offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

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**Software**
www.fujitsu.com/software/

## More information

Learn more about FUJITSU Server PRIMERGY TX1330 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

## 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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2019-11-01 WW-EN

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