

# Data Sheet

## FUJITSU Server PRIMERGY TX2550 M4 Tower Server

Tower powerhouse with the richest feature set

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 TX2550 M4

The FUJITSU Server PRIMERGY TX2550 M4 is a brand new dual socket tower server designed for demanding business needs to deliver the highest levels of workload versatile performance, expandability and cost-effectiveness. This office ready, powerful system comes with the latest Intel® Xeon® Processor Scalable Family CPUs with 26 cores, along with DDR4 memory technology with up to 768GB capacity and is ideal for most CPU/memory driven requirements such as demanding business applications (industry-

specific, analytics apps), business processing (ERP, CRM) and virtualized workloads. The server is designed for huge expandability with up to 32 storage drives, advanced RAID and a range of high-throughput networking cards including DynamicLOM options, making it highly suitable for storage centric requirements such as collaboration/ IT infrastructure workloads and even high-data transfer web or big-data configurations. Up to 8 expansion slots are available for future growth. An optional high-end graphics card can boost performance for graphics intensive applications, display infrastructure. The server is designed for silent operation, ideal for offices. The server also delivers world-class reliability and energy efficiency up to 96% efficient, dual power supplies. Operation in higher ambient temperatures is ensured by the Cool-safe® Advanced Thermal Design, avoiding the need for expenditure on special cooling. Furthermore, the server supports the Fujitsu iRMC S5, to enhance admin productivity and ease server usage across the entire lifecycle.



# Features & Benefits

| Main Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Benefits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power packed performance across workloads</b> <ul style="list-style-type: none"> <li>■ Intel® Xeon® Processor Scalable family CPUs with up to 26 cores relying on Intel® UltraPath Interconnect for an increased data rate between the CPUs. Up to 768 GB DDR4 memory with 2,666 MHz (12 DIMM slots)</li> <li>■ Highly expandable and flexible storage configurations: Up to 32x hot plug 2.5" HDD/SSD including 8xPCIe SSD, or up to 12x hot plug 3.5" HDD/SSD + 2x non-hp 2.5" HDD/SSD and up to 3x 1.6" drive bays for ODD or backup. Advanced RAID controllers (RAID 0,1,1E,10,5,50,6,60) with up to 2GB cache for enhanced data protection and reliability beyond embedded basic RAID capability</li> <li>■ Onboard LAN for basic requirements, DynamicLoM via OCP for extended requirements. Additional high throughput networking cards (25/10Gb) also available</li> <li>■ Up to 1x GFX card support</li> </ul> | <ul style="list-style-type: none"> <li>■ Enhanced Dual-socket compute and high bandwidth DDR4 memory - optimal for demanding enterprise and SME requirements. These can include Business processing, demanding enterprise applications and virtualized workloads</li> <li>■ Ideal for securely managing extremely large datasets and flexible enough to be matched to a range of storage centric requirements such as IT infrastructure or collaboration workloads. Drives and RAID controllers can be tailored to specific business needs and budgets</li> <li>■ Range of Ethernet configurations depending on your business need and budget. Combination of Basic capabilities via onboard LAN, plus higher performance, optional DynamicLoM via OCP offers excellent flexibility and cost effective growth capability. High throughput cards enable growth for the highest data rate requirements</li> <li>■ Improves capability for Graphics intensive apps; get more from your display infrastructure</li> </ul> |
| <b>Designed for growth</b> <ul style="list-style-type: none"> <li>■ 8 Expansion slots (in maximal optional configuration; 7x PCIe and 1x PCI-32)</li> <li>■ Rack Form factor available from the factory and as an upgrade option</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>■ Flexible expandability for the integration of existing and new storage controllers, networking cards, GFX card capability. Add capabilities per your business needs</li> <li>■ Invest in a system designed for scalability to match your business growth</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Go green, with cost savings and reliability improvements</b> <ul style="list-style-type: none"> <li>■ Power supply units with 96% energy efficiency</li> <li>■ Fujitsu's Cool-safe® Advanced Thermal Design for higher ambient temperatures in the data center</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>■ High efficiency redundant power supplies for energy cost savings and enhanced reliability</li> <li>■ Operate your equipment without having to invest in expensive cooling equipment</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Secure, Efficient Administration across the server lifecycle</b> <ul style="list-style-type: none"> <li>■ Fujitsu ServerView Suite including tools for installation and deployment, permanent status monitoring and control</li> <li>■ Regular, free updates of BIOS, firmware and selected software</li> <li>■ iRMC S5 comes with new interactive web UI and conforms to Redfish providing unified API support for heterogeneous environment</li> <li>■ 2x Internal M.2 devices support for hypervisor installations or mirroring</li> <li>■ TPM2.0 modules and latest operating system support</li> </ul>                                                                                                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>■ Ease of administration. IT Staff can focus on high-value tasks and business requirements versus transactional tasks</li> <li>■ Your server remains up-to-date consistently, without extra expenses, great for your budget and IT admin productivity</li> <li>■ Optimized for both: data centers and SMEs can now rely on latest generation server management by Fujitsu with an enhanced iRMC S5</li> <li>■ Perfect for hassle-free hypervisor /operating system start-up Ease of mind for administrators with the latest hardware and Software driven security features to address emerging threats and cybercrime challenges</li> </ul>                                                                                                                                                                                                                                                                                                                                    |

# Technical details

## PRIMERGY TX2550 M4

|                            |                                  |                                  |                            |                             |                                      |                                       |
|----------------------------|----------------------------------|----------------------------------|----------------------------|-----------------------------|--------------------------------------|---------------------------------------|
| Base unit                  | TX2550 M4 Tower LFF              | TX2550 M4 Tower LFF              | TX2550 M4 Tower SFF        | TX2550 M4 Tower SFF         | TX2550 M4 Tower SFF                  | TX2550 M4 Tower SFF                   |
| Housing types              | Tower                            | Tower                            | Tower                      | Tower                       | Tower                                | Tower                                 |
| Storage drive architecture | 4x 3.5-inch SAS/ SATA expandable | 8x 3.5-inch SAS/ SATA expandable | 8x 2.5-inch SAS/ SATA/PCIe | 16x 2.5-inch SAS/ SATA/PCIe | 8x 2.5-inch SAS/SATA/PCIe expandable | 24x 2.5-inch SAS/SATA/PCIe expandable |
| Power supply               | Hot-plug                         | Hot-plug                         | Hot-plug                   | Hot-plug                    | Hot-plug                             | Hot-plug                              |
| Product Type               | Dual Socket Tower Server         | Dual Socket Tower Server         | Dual Socket Tower Server   | Dual Socket Tower Server    | Dual Socket Tower Server             | Dual Socket Tower Server              |

## Mainboard

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Mainboard type              | D3386                                          |
| Chipset                     | Intel® C624                                    |
| Processor quantity and type | 1 - 2 x Intel® Xeon® Processor Scalable Family |

|                               |                                                                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Intel® Xeon® Bronze Processor | Intel® Xeon® Bronze 3104 (6C nHT, 1.70 GHz, TLC: 8.25 MB, Turbo: 1.70 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 85 W, AVX Base 1.30 GHz, AVX Turbo 1.30 GHz) |
|                               | Intel® Xeon® Bronze 3106 (8C nHT, 1.70 GHz, TLC: 11 MB, Turbo: 1.70 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 85 W, AVX Base 1.30 GHz, AVX Turbo 1.30 GHz)   |
| Intel® Xeon® Silver Processor | Intel® Xeon® Silver 4108 (8C, 1.80 GHz, TLC: 11 MB, Turbo: 2.10 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.30 GHz, AVX Turbo 1.30 GHz)       |
|                               | Intel® Xeon® Silver 4110 (8C, 2.10 GHz, TLC: 11 MB, Turbo: 2.40 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.70 GHz, AVX Turbo 2.10 GHz)       |
|                               | Intel® Xeon® Silver 4112 (4C, 2.60 GHz, TLC: 8.25 MB, Turbo: 2.90 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 2.20 GHz, AVX Turbo 2.60 GHz)     |
|                               | Intel® Xeon® Silver 4114 (10C, 2.20 GHz, TLC: 13.75 MB, Turbo: 2.50 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.80 GHz, AVX Turbo 2.20 GHz)   |
|                               | Intel® Xeon® Silver 4114T (10C, 2.20 GHz, TLC: 13.75 MB, Turbo: 2.50 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.80 GHz, AVX Turbo 2.20 GHz)  |
|                               | Intel® Xeon® Silver 4116 (12C, 2.10 GHz, TLC: 16.5 MB, Turbo: 2.40 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.70 GHz, AVX Turbo 2.10 GHz)    |

|                                        |                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intel® Xeon® Gold Processor</b>     | Intel® Xeon® Gold 5115 (10C, 2.40 GHz, TLC: 13.75 MB, Turbo: 2.80 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 2.00 GHz, AVX Turbo 2.40 GHz)      |
|                                        | Intel® Xeon® Gold 5118 (12C, 2.30 GHz, TLC: 16.5 MB, Turbo: 2.70 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 105 W, AVX Base 1.90 GHz, AVX Turbo 2.30 GHz)      |
|                                        | Intel® Xeon® Gold 5119T (14C, 1.90 GHz, TLC: 19.25 MB, Turbo: 2.30 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.50 GHz, AVX Turbo 1.90 GHz)     |
|                                        | Intel® Xeon® Gold 5120 (14C, 2.20 GHz, TLC: 19.25 MB, Turbo: 2.60 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 105 W, AVX Base 1.80 GHz, AVX Turbo 2.20 GHz)     |
|                                        | Intel® Xeon® Gold 5122 (4C, 3.60 GHz, TLC: 16.5 MB, Turbo: 3.70 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 105 W, AVX Base 3.30 GHz, AVX Turbo 3.60 GHz)       |
|                                        | Intel® Xeon® Gold 6126 (12C, 2.60 GHz, TLC: 19.25 MB, Turbo: 3.30 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 125 W, AVX Base 2.20 GHz, AVX Turbo 2.90 GHz)     |
|                                        | Intel® Xeon® Gold 6128 (6C, 3.40 GHz, TLC: 19.25 MB, Turbo: 3.70 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 115 W, AVX Base 2.90 GHz, AVX Turbo 3.60 GHz)      |
|                                        | Intel® Xeon® Gold 6130 (16C, 2.10 GHz, TLC: 22 MB, Turbo: 2.80 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 125 W, AVX Base 1.70 GHz, AVX Turbo 2.40 GHz)        |
|                                        | Intel® Xeon® Gold 6132 (14C, 2.60 GHz, TLC: 19.25 MB, Turbo: 3.30 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 140 W, AVX Base 2.20 GHz, AVX Turbo 2.90 GHz)     |
|                                        | Intel® Xeon® Gold 6134 (8C, 3.20 GHz, TLC: 24.75 MB, Turbo: 3.70 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 130 W, AVX Base 2.70 GHz, AVX Turbo 3.40 GHz)      |
|                                        | Intel® Xeon® Gold 6136 (12C, 3.00 GHz, TLC: 24.75 MB, Turbo: 3.30 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 150 W, AVX Base 2.60 GHz, AVX Turbo 3.30 GHz)     |
|                                        | Intel® Xeon® Gold 6138 (20C, 2.00 GHz, TLC: 27.5 MB, Turbo: 2.70 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 125 W, AVX Base 1.60 GHz, AVX Turbo 2.30 GHz)      |
|                                        | Intel® Xeon® Gold 6140 (18C, 2.30 GHz, TLC: 24.75 MB, Turbo: 3.00 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 140 W, AVX Base 1.90 GHz, AVX Turbo 2.60 GHz)     |
|                                        | Intel® Xeon® Gold 6142 (16C, 2.60 GHz, TLC: 22 MB, Turbo: 3.30 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 150 W, AVX Base 2.20 GHz, AVX Turbo 2.90 GHz)        |
|                                        | Intel® Xeon® Gold 6148 (20C, 2.40 GHz, TLC: 27.5 MB, Turbo: 3.10 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 150 W, AVX Base 1.90 GHz, AVX Turbo 2.60 GHz)      |
|                                        | Intel® Xeon® Gold 6152 (22C, 2.10 GHz, TLC: 30.25 MB, Turbo: 2.80 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 140 W, AVX Base 1.70 GHz, AVX Turbo 2.40 GHz)     |
| <b>Intel® Xeon® Platinum Processor</b> | Intel® Xeon® Platinum 8153 (16C, 2.00 GHz, TLC: 22 MB, Turbo: 2.30 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 125 W, AVX Base 1.60 GHz, AVX Turbo 2.00 GHz)    |
|                                        | Intel® Xeon® Platinum 8160 (24C, 2.10 GHz, TLC: 33 MB, Turbo: 2.80 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 150 W, AVX Base 1.80 GHz, AVX Turbo 2.50 GHz)    |
|                                        | Intel® Xeon® Platinum 8164 (26C, 2.00 GHz, TLC: 35.75 MB, Turbo: 2.70 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 150 W, AVX Base 1.60 GHz, AVX Turbo 2.30 GHz) |
| <b>Memory slots</b>                    | 12 (6 DIMMs per CPU, 6 channels with one DIMM per channel)                                                                                              |
| <b>Memory slot type</b>                | DIMM (DDR4)                                                                                                                                             |
| <b>Memory capacity (min. - max.)</b>   | 8 GB - 768 GB                                                                                                                                           |
| <b>Memory protection</b>               | Advanced ECC<br>SDDC                                                                                                                                    |
| <b>Memory notes</b>                    | Performance Mode requires identical modules in all channels of each bank per CPU.                                                                       |
| <b>Memory options</b>                  | 8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 1Rx4                                                                          |
|                                        | 8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx8                                                                          |
|                                        | 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 1Rx4                                                                        |
|                                        | 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx4                                                                        |
|                                        | 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx8                                                                        |
|                                        | 32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx4                                                                        |
|                                        | 64 GB (1 module(s) 64 GB) DDR4 3DS, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 4Rx4                                                                    |
|                                        | 64 GB (1 module(s) 64 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, LRDIMM, 4Rx4                                                                      |
| <b>Interfaces</b>                      |                                                                                                                                                         |
| <b>USB 2.0 ports</b>                   | 1 x USB 2.0 internal for backup devices                                                                                                                 |

**Interfaces**

|                        |                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| USB 3.0 ports          | 7 x USB 3.0 (2x front, 4 x rear, 1x internal (type A))                                                                                  |
| Graphics (15-pin)      | 1 x VGA                                                                                                                                 |
| Serial 1 (9-pin)       | 1 x optional serial RS-232-C (9 pin)                                                                                                    |
| LAN / Ethernet (RJ-45) | 2 2x RJ45 (additional 2x RJ45 are optional available)                                                                                   |
| 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 LAN port |

**Onboard or integrated Controller**

|                               |                                                                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| RAID controller               | All hardware storage controller options are described under Components                                                                         |
| SATA Controller               | Intel® C624, 9-port SATA (8 x for internal hard disks, 1 x for accessible drives)                                                              |
| SATA controller type notes    | On board SATA controller supports RAID levels 0, 1, 10                                                                                         |
| LAN Controller                | 2 x 1 Gbit/s onboard<br>Optional 2x 10Gb T or 2x 10Gb SFP+ interface card onboard with OCP carrier card (OCP carrier card blocks PCIe slot 8). |
| Remote management controller  | IPMI 2.0 compatible<br>Integrated Remote Management Controller (iRMC S5, 512 MB attached memory incl. graphics controller)                     |
| Trusted Platform Module (TPM) | optional TPM                                                                                                                                   |

**Slots**

|                     |                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PCI-Express 3.0 x8  | 5 x Full height Note: 2 of the slots become available via optional riser card. Refer to configurator for details                                            |
| PCI-Express 3.0 x16 | 3 x Full height Note: 2 of the slots become available with second CPU. Refer to configurator for details. One x16 PCIe slot is available with the first CPU |
| PCI-slots           | 1 x PCI 32Bit, available via optional riser card. Refer to configurator for details                                                                         |
| Slot Notes          | in SAS configuration 1x PCI-Express occupied by modular RAID controller                                                                                     |

**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 (Base unit specific)**

|                                 |                                                       |                                                       |                                                       |                                                       |                                                       |                                                       |
|---------------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Storage drive bays              | 4 x 3.5-inch hot-plug SAS/SATA                        | 8 x 3.5-inch hot-plug SAS/SATA                        | 8 x 2.5-inch hot-plug SAS/SATA                        | 16 x 2.5-inch hot-plug SAS/SATA                       | 8 x 2.5-inch hot-plug SAS/SATA                        | 24 x 2.5-inch hot-plug SAS/SATA                       |
| Storage drive bay configuration | optional expandable up to 8 storage drives            | optional expandable up to 12 storage drives           | not expandable                                        | not expandable                                        | optional expandable up to 24 storage drives           | optional expandable up to 32 storage drives           |
| Optional accessible drives      | 3x 1.6x5.25" bays for an optical and/or backup drives | 3x 1.6x5.25" bays for an optical and/or backup drives | 3x 1.6x5.25" bays for an optical and/or backup drives | 3x 1.6x5.25" bays for an optical and/or backup drives | 3x 1.6x5.25" bays for an optical and/or backup drives | 3x 1.6x5.25" bays for an optical and/or backup drives |

**Fan Configuration**

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Number of fans    | 3                                                                                 |
| Fan configuration | 3x120mm high power fans (optional non-hot plug redundant or single hot plug red.) |
| Fan notes         | Fans with optimized blades and fan control for silent and safe operation          |

**Operating panel**

|                   |                                             |
|-------------------|---------------------------------------------|
| Operating buttons | On/off switch<br>NMI button<br>Reset button |
|-------------------|---------------------------------------------|

**Operating panel**

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| <b>Status LEDs</b>     | System status (orange / yellow)                     |
|                        | Identification (blue)                               |
|                        | Hard disks access (green)                           |
|                        | Power (amber / green)                               |
|                        | CPU status                                          |
|                        | Fan status                                          |
|                        | Hard disk error                                     |
|                        | Temperature                                         |
|                        | CSS (yellow)                                        |
|                        | Memory status                                       |
|                        | PSU status (green/ amber)                           |
|                        | At system rear side:                                |
|                        | System status (orange / yellow)                     |
|                        | Identification (blue)                               |
|                        | LAN connection (green)                              |
|                        | LAN speed (green / yellow)                          |
| <b>Service display</b> | Optional:<br>ServerView Local Service Display (LSD) |

**BIOS**

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| <b>BIOS features</b> | ROM based setup utility                               |
|                      | 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 |
|                      | SMBIOS V2.4                                           |
|                      | Remote PXE boot support                               |

**Operating Systems and Virtualization Software**

|                                                                             |                                         |
|-----------------------------------------------------------------------------|-----------------------------------------|
| <b>Certified or supported operating systems and virtualization software</b> | 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 |
|                                                                             | Hyper-V Server 2012 R2                  |
|                                                                             | Windows Server 2012 R2 Datacenter       |
|                                                                             | Windows Server 2012 R2 Standard         |
|                                                                             | Windows Server 2012 R2 Essentials       |
|                                                                             | Windows Storage Server 2012 R2 Standard |
|                                                                             | VMware vSphere™ 6.5                     |
|                                                                             | VMware vSphere™ 6.0                     |
|                                                                             | SUSE® Linux Enterprise Server 12        |
|                                                                             | SUSE® Linux Enterprise Server 11        |
|                                                                             | Red Hat® Enterprise Linux 7             |
|                                                                             | Red Hat® Enterprise Linux 6             |

**Operating system notes**

|                                      |                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Server Management

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b> | 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 Providers<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>Remote Management (iRMC S5)<br>Update Management (BIOS, Firmware, Windows Drives and SV Agents)<br>Performance Measurement<br>Asset Management<br>Online Diagnostics<br>ServerView Suite - Integrate<br>Integration packs for Microsoft System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM |
| <b>Option</b>   | ServerView Suite (Maintain)<br>ServerView eLCM<br>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media<br>ServerView Suite (Dynamize)<br>Resource Orchestrator- Cloud edition<br>Resource Orchestrator- virtual edition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Server Management notes** Regarding dependencies for ServerView Suite software products see dedicated product data sheets.

## Dimensions / Weight

|                                |                                                                                                                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Floor-stand (W x D x H)</b> | 177 x 777 x 456 mm                                                                                                                                                                                           |
| <b>Rack (W x D x H)</b>        | 483 (Bezel); 448 mm (body) x 736 x 177 mm                                                                                                                                                                    |
| <b>Dimension notes</b>         | Floorstand Width 177 mm without tilt protection (420 mm with tilt protection); depth measured includes handles on redundant PSU. Rack depth includes handles of redundant PSU, excludes rack handles / front |
| <b>Height Unit Rack</b>        | 4 U                                                                                                                                                                                                          |
| <b>Weight</b>                  | Up to 35.5 kg                                                                                                                                                                                                |
| <b>Weight notes</b>            | Actual weight may vary depending on configuration                                                                                                                                                            |
| <b>Rack integration kit</b>    | Rack mount options available from the factory or with retrofit upgrade.                                                                                                                                      |

## Floor-stand (W x D x H)

|                             |                                                   |                                                                        |                                                   |                                                                        |                                                                        |                                                                        |
|-----------------------------|---------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Rack integration kit</b> | Rack mount option available as a retrofit upgrade | Rack mount options available from the factory or with retrofit upgrade | Rack mount option available as a retrofit upgrade | Rack mount options available from the factory or with retrofit upgrade | Rack mount options available from the factory or with retrofit upgrade | Rack mount options available from the factory or with retrofit upgrade |
|-----------------------------|---------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|

## Environment

|                                      |                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating ambient temperature</b> | 5 - 45 °C (41 - 113 °F)                                                                                                                                             |
| <b>Operating temperature note</b>    | Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. For detailed information see relevant system configurator.              |
| <b>Operating relative humidity</b>   | 10 - 85 % (non condensing)                                                                                                                                          |
| <b>Operating environment</b>         | FTS 04230 – Guideline for Data Center (installation specification)                                                                                                  |
| <b>Operating environment link</b>    | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a> |
| <b>Noise emission</b>                | Measured according to ISO 7779 and declared according to ISO 9296                                                                                                   |
| <b>Sound pressure (LpAm)</b>         | Noise minimum configuration: 24 dB(A) (idle) / 32 dB(A) (operating)<br>Noise typical configuration: 24 dB(A) (idle) / 32 dB(A) (operating)                          |
| <b>Sound power (LWAd; 1B = 10dB)</b> | Noise minimum configuration: 4.2 B (idle) / 5.0 B (operating)<br>Noise typical configuration: 4.2 B (idle) / 5.0 B (operating)                                      |

**Environment**

|             |                                                                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Noise notes | Noise emissions depends on operation modes, system configuration and ambient temperature.<br>Operating mode measured based on OLTIS with 50% load. *OLTIS = FUJITSU Load Profile which stresses all components of a server with a given load level. |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Electrical values**

|                                     |                                                                                                                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply configuration          | 1x non hot-plug power supply or 2x hot-plug power supply for redundancy                                                                                                                                                                                                                                    |
| Hot-plug power supply redundancy    | Optional                                                                                                                                                                                                                                                                                                   |
| Active power (max. configuration)   | 748 W                                                                                                                                                                                                                                                                                                      |
| Apparent power (max. configuration) | 752 VA                                                                                                                                                                                                                                                                                                     |
| Heat emission (max. configuration)  | 2692.8 kJ/h (2552.3 BTU/h)                                                                                                                                                                                                                                                                                 |
| Rated current max.                  | 9 A (100 V) / 3.5 A (240 V)                                                                                                                                                                                                                                                                                |
| Active power note                   | Preliminary Information, may be updated later: To estimate the power consumption of different configurations use the Power Calculator of the System Architect: <a href="http://configurator.ts.fujitsu.com/public/">http://configurator.ts.fujitsu.com/public/</a>                                         |
| Power supply                        | 450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz<br>800W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz<br>800W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz<br>1200W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 110V range: 1000W, less than 110V: 900W |
| Power supply notes                  | Power Safeguard adapts system performance in case the power requirements exceeds supply limits.<br>96% Titanium Power supply unit is only released for 200-240V                                                                                                                                            |

**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/cus<br>FCC Class A                                                                                                                                                                                                                                                                                                                                                                                            |
| Japan                 | VCCI:V3 Class A + JIS 61000-3-2                                                                                                                                                                                                                                                                                                                                                                                   |
| South Korea           | KN32<br>KN35                                                                                                                                                                                                                                                                                                                                                                                                      |
| China                 | CCC                                                                                                                                                                                                                                                                                                                                                                                                               |
| Australia/New Zealand | C-Tick                                                                                                                                                                                                                                                                                                                                                                                                            |
| Taiwan                | BSMI                                                                                                                                                                                                                                                                                                                                                                                                              |
| Compliance link       | <a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>                                                                                                                                                                                                                                                                                                           |
| 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.<br>* 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  | LTO5HH Ultrium, 1,500 GB, 140 MB/s, half height, SAS 6Gb/s<br>LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s<br>LTO7HH Ultrium, 2,500 GB, 300 MB/s, half height, SAS 6Gb/s<br>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<br>DVD-ROM, (16xDVD; 48xCD), half height, SATA I<br>DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I<br>DVD Super Multi ultra slim , (8x DVD; 24x CD), ultraslim, SATA I |

## Hard disk drives

|                                                                                    |
|------------------------------------------------------------------------------------|
| HDD SATA, 6 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical    |
| HDD SATA, 6 Gb/s, 10 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, 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     |
| 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, 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, 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, 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, non 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, 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, 10 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| 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, 4 TB, 7,200 rpm, 512e, 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, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-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, 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        |
| HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical  |
| HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical  |

## Solid-State-Drive

|                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|
| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)     |
| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)            |
| SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)            |
| SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)     |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)          |
| SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)          |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, non hot plug, 2.5-inch, enterprise, 1.4 DWPDP (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, non hot plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)   |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.4 DWPDP (Drive Writes Per Day for 5 years)     |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 240 GB, Mixed-use, non hot plug, 2.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)      |
| SSD SATA, 6 Gb/s, 240 GB, Mixed-use, non hot plug, 2.5-inch, enterprise, 3.1 DWPDP (Drive Writes Per Day for 5 years)      |
| SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)          |
| SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPDP (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 DWPDP (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 DWPDP (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 DWPDP (Drive Writes Per Day for 5 years)    |
| SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)           |
| SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)           |
| SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)       |
| SSD M.2 SATA, 6 Gb/s, 480 GB, non hot plug, enterprise, 1.4 DWPDP (Drive Writes Per Day for 5 years)                       |
| SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise, 1.4 DWPDP (Drive Writes Per Day for 5 years)                       |
| SSD M.2 SATA, 6 Gb/s, 150 GB, non hot plug, enterprise, 1.5 DWPDP (Drive Writes Per Day for 5 years)                       |
| SSD M.2 SATA, 6 Gb/s, 150 GB, non hot plug, enterprise                                                                     |

|                                    |                                                                                                                                                                                                    |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Solid-State-Drive</b>           | SSD SAS, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)                                                                               |
|                                    | SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPDP (Drive Writes Per Day for 5 years), SED                                                                        |
|                                    | SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPDP (Drive Writes Per Day for 5 years)                                                                             |
|                                    | SSD SAS, 12 Gb/s, 800 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (Drive Writes Per Day for 5 years)                                                                                    |
|                                    | SSD SAS, 12 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)                                                                               |
|                                    | SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPDP (Drive Writes Per Day for 5 years), SED                                                                        |
|                                    | SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPDP (Drive Writes Per Day for 5 years)                                                                             |
|                                    | SSD SAS, 12 Gb/s, 400 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (Drive Writes Per Day for 5 years)                                                                                    |
|                                    | SSD SAS, 12 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)                                                                            |
|                                    | SSD SAS, 12 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)                                                                              |
|                                    | SSD SAS, 12 Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 2.3 DWPDP (Drive Writes Per Day for 5 years)                                                                                  |
|                                    | SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)                                                                              |
|                                    | SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPDP (Drive Writes Per Day for 5 years), SED                                                                        |
|                                    | SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPDP (Drive Writes Per Day for 5 years)                                                                             |
|                                    | SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (Drive Writes Per Day for 5 years)                                                                                    |
| <b>PCIe SSD &amp; SATA DOM SSD</b> | PCIe-SSD SFF, 500 GB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.7 DWPDP (Drive Writes Per Day for 5 years)                                                                                |
|                                    | PCIe-SSD SFF, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.2 DWPDP (Drive Writes Per Day for 5 years)                                                                                     |
|                                    | PCIe-SSD SFF, 4 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPDP (Drive Writes Per Day for 5 years)                                                                                  |
|                                    | PCIe-SSD SFF, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.1 DWPDP (Drive Writes Per Day for 5 years)                                                                                     |
|                                    | PCIe-SSD SFF, 2 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPDP (Drive Writes Per Day for 5 years)                                                                                  |
|                                    | PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPDP (Drive Writes Per Day for 5 years)                                                                                     |
|                                    | PCIe-SSD SFF, 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1 DWPDP (Drive Writes Per Day for 5 years)                                                                                    |
|                                    | PCIe-SSD AIC, 750 GB, Write-Intensive, HHHL, Flash drive, 30 DWPDP (Drive Writes Per Day for 5 years)                                                                                              |
|                                    | PCIe-SSD AIC, 375 GB, Write-Intensive, HHHL, Flash drive, 30 DWPDP (Drive Writes Per Day for 5 years)                                                                                              |
|                                    | PCIe-SSD AIC, 4 TB, Mixed-use, HHHL, Flash drive, 3.1 DWPDP (Drive Writes Per Day for 5 years)                                                                                                     |
|                                    | PCIe-SSD AIC, 2 TB, Mixed-use, HHHL, Flash drive, 3.0 DWPDP (Drive Writes Per Day for 5 years)                                                                                                     |
|                                    | Dual microSD 64GB Enterprise                                                                                                                                                                       |
| <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 EP580i FH, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s (coming Q1/2018) 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 (coming Q1/2018) 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 (coming Q1/2018) 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. 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 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                                                                                                                                |
| <b>Communication, Network</b>                           | Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex )                                                                                                                                           |
|                                                         | Ethernet Ctrl. 1 x 100 Gbit/s PCIe 3.0 x16 QSFP28 ( Cavium )                                                                                                                                                  |
|                                                         | Ethernet Ctrl. 1 x 100 Gbit/s PCIe 3.0 x16 QSFP28 ( Mellanox )                                                                                                                                                |
|                                                         | Ethernet Ctrl. 2 x 100 Gbit/s PCIe 3.0 x8 SFP28 ( Mellanox )                                                                                                                                                  |
|                                                         | Ethernet Ctrl. 2 x 10 Gbit/s#25 Gbit/s PCIe 3.0 x8 SFP28 ( Cavium )                                                                                                                                           |
|                                                         | 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 RJ45 ( Intel® )                                                                                                                                                      |
|                                                         | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex )                                                                                                                                                      |
|                                                         | 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. 2 x 40 Gbit/s PCIe 3.0 x16 QSFP ( Mellanox )                                                                                                                                                   |
|                                                         | Ethernet Ctrl. 2 x 50 Gbit/s PCIe 3.0 x8 SFP28 ( Intel® )                                                                                                                                                     |
|                                                         | Ethernet Ctrl. 4 x 10 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® )                                                                                                                                                      |
|                                                         | 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® )                                                                                                                                                       |
|                                                         | Interface modul for Dynamic LoM 2 x 40 Gbit/s RJ45 ( Intel® )                                                                                                                                                 |
|                                                         | Interface modul for Dynamic LoM 2 x 40 Gbit/s SFP+ ( Intel® )                                                                                                                                                 |
| <b>Warranty</b>                                         |                                                                                                                                                                                                               |
| Warranty period                                         | 3 years                                                                                                                                                                                                       |
| Warranty type                                           | Onsite warranty Warranty conditions tbd                                                                                                                                                                       |
| Warranty Terms & Conditions                             | <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 Related Services - the perfect extension</b> |                                                                                                                                                                                                               |
| Support Pack Options                                    | X - 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                                     | X - 24x7 Onsite Service with 4h Onsite Response Time                                                                                                                                                          |
| Service Lifecycle                                       | 5 years after end of product life                                                                                                                                                                             |
| Service Weblink                                         | <a href="http://www.fujitsu.com/fts/products/product-support-services/">http://www.fujitsu.com/fts/products/product-support-services/</a>                                                                     |

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Server PRIMERGY TX2550 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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## More information

Learn more about Fujitsu PRIMERGY TX2550 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://www.fujitsu.com/global/products/computing/servers/primergy/tower/tx2550m4/index.html>

## 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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