

# Data Sheet

## Fujitsu PRIMERGY TX200 S6 Server

### Well-balanced price- performance

PRIMERGY TX tower servers are ideal for use in SMEs or branch offices. They increase operational efficiency by providing rock solid, record-breaking, energy efficient performance. That performance is built on 20-years of pioneering work in Green IT. As a customer, you benefit from a reduction in your organization's environmental impact and lower running costs. The reliability is proven by testing the machines through 5000 boot cycles – far more than other vendors do. PRIMERGY TX servers are also easy to manage via the PRIMERGY ServerView Suite, reducing IT admin workload and costs. Plus, tower to rack conversion kits are available for most TX systems, ensuring investment protection.

#### PRIMERGY TX200 S6

The PRIMERGY TX200 S6 is a perfect server for small or decentralized infrastructures in an attractive family design. The PRIMERGY TX200 S6 offers expandability, energy efficiency and dual processor performance. With up to 16 2.5-inch hard disks, you can save on an external storage unit. The high energy efficiency minimizes costs. Moreover, a maximum of 96 GB of RAM, redundancy features, and the performance of up to two Intel® Xeon® processors 5600 series allow you to make a great start into virtualization. The PRIMERGY TX200 S6 also lends itself as a departmental, email or web server. A tower to rack conversion kit protects your investment's lifetime. This great system strikes the right balance between price and performance.



# Features and Benefits

---

| Main Features  | Benefits  |
|--|---|
| <ul style="list-style-type: none"><li>■ Intel® Xeon® Processor 5600 Series with up to 6 core operation (up to 12 threads per socket with Hyper Threading), 12 MB shared cache, Internal Memory Management Unit (3 channels of DDR3 memory) and Intel® Turbo Boost Optimization</li><li>■ Up to 96 GB RAM configurable in independent, mirrored, spare or performance modes</li><li>■ Hot-plug power supply with 92% efficiency (85% efficiency for standard power supply)</li><li>■ Up to 4 (6 optional) 3.5-inch hard disks or 8 (16 optional) 2.5-inch SAS or SATA hard disk drives and 6 expansion slots (4 PCIe Gen 2, 1 PCIe, 1 PCI)</li><li>■ Hot-plug hard disks included as standard, plus optional: hot-plug redundant power supply units or redundant fans or ServerView Local Service Panel (LSP)</li></ul> | <ul style="list-style-type: none"><li>■ Higher overall productivity with leading-edge technology and the performance of up to two processors!</li><li>■ Plenty of memory configurable to suit your every need: file, print, database or virtualization server</li><li>■ Save energy costs and minimize the environmental impact</li><li>■ Choose among a range of expansion variables to suit your budget and requirements</li><li>■ Tailor made availability, offering the security level you need</li></ul> |

# Technical details

## PRIMERGY TX200 S6

|                                   |                  |                  |                           |                           |                  |                           |
|-----------------------------------|------------------|------------------|---------------------------|---------------------------|------------------|---------------------------|
| <b>Housing types</b>              | Tower            | Tower            | Tower                     | Tower                     | Rack             | Rack                      |
| <b>Storage drive architecture</b> | 6x 3.5" SAS/SATA | 6x 3.5" SAS/SATA | 16x 2.5" SAS/SATA/<br>SSD | 16x 2.5" SAS/SATA/<br>SSD | 6x 3.5" SAS/SATA | 16x 2.5" SAS/SATA/<br>SSD |
| <b>Power supply</b>               | Standard         | Hot-plug         | Standard                  | Hot-plug                  | Hot-plug         | Hot-plug                  |

## Mainboard

|                                    |   |
|------------------------------------|---|
| <b>Mainboard type</b>              | D 2799  |
| <b>Chipset</b>                     | Intel® 5500   |
| <b>Processor quantity and type</b> | 1 - 2 x Intel® Xeon® processor E5500 series / Intel® Xeon® processor E5600 series / Intel® Xeon® processor L5600 series / Intel® Xeon® processor X5600 series |

## Processor

|  |
|--|
| Intel® Xeon® processor E5503<br>(2C/2T, 2.00 GHz, SLC: 4 x 256 KB, TLC: 4 MB, Turbo: No, 4.8 GT/s, Mem bus: 800 MHz, 80 W)             |
| Intel® Xeon® processor E5603<br>(4C/4T, 1.60 GHz, SLC: -, TLC: 4 MB, Turbo: No, 4.8 GT/s, Mem bus: 1066 MHz, 80 W)                     |
| Intel® Xeon® processor E5606<br>(4C/4T, 2.13 GHz, SLC: -, TLC: 8 MB, Turbo: No, 4.8 GT/s, Mem bus: 1066 MHz, 80 W)                     |
| Intel® Xeon® processor E5607<br>(4C/4T, 2.26 GHz, SLC: -, TLC: 8 MB, Turbo: No, 4.8 GT/s, Mem bus: 1066 MHz, 80 W)                     |
| Intel® Xeon® processor E5620<br>(4C/8T, 2.40 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 80 W)     |
| Intel® Xeon® processor E5630<br>(4C/8T, 2.53 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 80 W)     |
| Intel® Xeon® processor E5640<br>(4C/8T, 2.66 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 80 W)     |
| Intel® Xeon® processor E5645<br>(6C/12T, 2.40 GHz, SLC: -, TLC: 12 MB, Turbo: 1/1/1/1/2/2, 5.86 GT/s, Mem bus: 1333 MHz, 80 W)         |
| Intel® Xeon® processor E5649<br>(6C/12T, 2.53 GHz, SLC: -, TLC: 12 MB, Turbo: 1/1/1/1/2/2, 5.86 GT/s, Mem bus: 1333 MHz, 80 W)         |
| Intel® Xeon® processor L5630<br>(4C/8T, 2.13 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 40 W)     |
| Intel® Xeon® processor L5640<br>(6C/12T, 2.26 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 2/2/3/3/4/4, 6.4 GT/s, Mem bus: 1333 MHz, 60 W) |
| Intel® Xeon® processor X5650<br>(6C/12T, 2.66 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 2/2/2/2/3/3, 6.4 GT/s, Mem bus: 1333 MHz, 95 W) |
| Intel® Xeon® processor X5660<br>(6C/12T, 2.80 GHz, SLC: 4 x 256 KB, TLC: 12 MB, Turbo: 2/2/2/2/3/3, 6.4 GT/s, Mem bus: 1333 MHz, 95 W) |

|                                      |  |
|--------------------------------------|--|
| <b>Memory slots</b>                  | 12 (6 DIMMs per CPU, 3 channels with 2 slots per channel)  |
| <b>Memory slot type</b>              | DIMM (DDR3)  |
| <b>Memory capacity (min. - max.)</b> | 2 GB - 96 GB   |
| <b>Memory protection</b>             | Advanced ECC<br>Memory Scrubbing<br>SDDC (Chipkill™)<br>Hot-spare memory support<br>Memory Mirroring support   |
| <b>Memory notes</b>                  | max. 96 GB registered, min. 2 GB unbuffered;<br>memory mirroring with 2 identical modules, hot-spare memory with three identical modules per channel |

|   |   |
|---|---|
| <b>Memory Modules Independent Mode</b>          | 2 GB (1 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 2 GB (1 module(s) 2 GB) DDR3 LV, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM   |
|   | 4 GB (1 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM   |
|   | 8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM   |
| <b>Memory Modules Mirrored Mode</b>             | 4 GB (2 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 8 GB (2 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 8 GB (2 module(s) 4 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM   |
|   | 16 GB (2 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM   |
|   | 16 GB (2 module(s) 8 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
| <b>Memory Modules Spare or Performance Mode</b> | 6 GB (3 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 12 GB (3 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM   |
|   | 12 GB (3 module(s) 4 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
|   | 24 GB (3 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600, DIMM   |
|   | 24 GB (3 module(s) 8 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM  |
| <b>Interfaces</b>                               |   |
| USB ports                                       | 10 x USB 2.0 (3x front USB, 4x rear USB 3x internal for backup, USSD and internal USB)  |
| Graphics (15-pin)                               | 1 x VGA   |
| Serial 1 (9-pin)                                | 1 x serial RS-232-C (9 pin), usable for iRMC S2 or System or common use   |
| Serial 2 (9-pin)                                | 1 x serial RS-232-C (9 pin), optional - occupies an unused slot   |
| LAN / Ethernet (RJ-45)                          | 1 x Gbit/s Ethernet (Intel Hartwell)  |
| Service LAN (RJ45)                              | Service LAN traffic can be switched to shared onboard Gbit LAN port<br>1 x dedicated service LAN port for iRMC S2 (10/100 Mbit/s) |
| <b>Onboard or integrated Controller</b>         |   |
| SATA Controller                                 | ICH10R, 6-port SATA (4x for internal hard disks, 2x for accessible drives)  |
| SATA controller type notes                      | On board SATA controller supports RAID levels 0, 1, 10  |
| Remote Management Controller                    | Integrated Remote Management Controller (iRMC S2, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible           |
| Trusted Platform Module (TPM)                   | Infineon / separate module; TCG V1.2 compliant (option)   |
| <b>Slots</b>                                    |   |
| PCI-Express 2.0 x4 (mech. x8)                   | 2 x Full height (1x long, 1x short)   |
| PCI-Express 2.0 x8                              | 2 x Full height (1 slot is notched. It is therefore also usable for x16 cards operating in x8 mode).                              |
| PCI-Express x4 (mech. x8)                       | 1 x Full height   |
| PCI-slots                                       | 1 x   |
| Slot Notes                                      | PCI slot: 32-bit / 33 MHz, 5 V; in SAS-configurations 1x PCI-Express slot is occupied by the modular RAID controller.             |
| Storage drive bay configuration                 | 4x 3.5-inch, for SAS / SATA or 8x 2.5-inch for SAS/SATA optional  |
| Accessible drive bays                           | 3 x 5.25/1.6-inch   |
| Notes accessible drives                         | All possible options described in relevant system configurator.   |
| Optional hard disk bays                         | 2 x 3.5-inch hot-plug SAS/SATA or 8x 2.5-inch hot-plug SAS in HDD box (occupies 2x 5.25-inch bays)                                |
| <b>Fan Configuration</b>                        |   |
| Fan configuration                               | 2 standard fans or 2 redundant fans (only available in combination with hot plug redundant power supply)                          |
| <b>Operating panel</b>                          |   |
| Operating buttons                               | On/off switch<br>NMI button<br>Reset button   |

**Operating panel**

|                        |  |
|------------------------|--|
| <b>Status LEDs</b>     | System status (orange / yellow)<br>Identification (blue)<br>Hard disks access (green)<br>Power (amber / green)<br>At system rear side:<br>System status (orange / yellow)<br>Identification (blue)<br>LAN connection (green)<br>LAN speed (green / yellow) |
| <b>Service display</b> | Optional:<br>ServerView Local Service Panel (LSP)  |

**BIOS**

|                      |   |
|----------------------|---|
| <b>BIOS features</b> | 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 Windows and Linux versions<br>Local and remote update via ServerView Update Manager<br>SMBIOS V2.4<br>Remote PXE boot support |
|----------------------|---|

**Operating Systems and Virtualization Software**

|   |  |
|---|--|
| <b>Certified or supported operating systems and virtualization software</b> | Microsoft® Hyper-V™ Server 2008 R2<br>Microsoft® Windows Server® 2008 R2 Datacenter<br>Microsoft® Windows Server® 2008 R2 Enterprise<br>Microsoft® Windows Server® 2008 R2 Standard<br>Microsoft® Windows® Web Server 2008 R2<br>Microsoft® Windows® Small Business Server 2011 Premium Add-On<br>Microsoft® Windows® Small Business Server Standard 2011<br>Microsoft® Windows® Server 2008 Enterprise<br>Microsoft® Windows® Server 2008 Standard<br>Microsoft® Windows® Small Business Server 2008 Standard<br>Microsoft® Windows® Small Business Server 2008 Premium<br>Microsoft® Windows Server® 2003 Enterprise Edition<br>Microsoft® Windows Server® 2003 Standard Edition<br>Microsoft® Windows Server® 2003 Web Edition<br>VMware vSphere™ 5.0 Embedded<br>VMware vSphere™ 5.0<br>VMware vSphere™ 4.1<br>VMware vSphere™ 4.1 Embedded<br>VMware vSphere™ 4.1 Installable<br>VMware vSphere™ 4.0<br>VMware vSphere™ 4.0 Embedded<br>VMware vSphere™ 4.0 Installable<br>Novell® SUSE Linux Enterprise Server 11<br>Novell® SUSE Linux Enterprise Server 10<br>Novell® SUSE Linux Enterprise Server 10 with XEN<br>Red Hat® Enterprise Linux 6<br>Red Hat® Enterprise Linux 5<br>Red Hat® Enterprise Linux 5 with XEN<br>Citrix® XenServer® |
| <b>Operating system release link</b>  | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421">http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421</a>  |
| <b>Operating system notes</b>   | Support of other Linux derivatives on demand   |

## Server Management

|                                |   |
|--------------------------------|---|
| <b>Standard</b>                | <ul style="list-style-type: none"> <li>ServerView Suite - Deploy               <ul style="list-style-type: none"> <li>SV Installation Manager</li> <li>SV Scripting Toolkit</li> <li>SV Deployment Manager (30-day trial version)</li> </ul> </li> <li>ServerView Suite - Control               <ul style="list-style-type: none"> <li>SV Operations Manager incl. PDA and ASR &amp; R (Prefailure and Analysis; Automatic Server Recovery and Restart)</li> <li>SV Performance Management</li> <li>SV Power Management</li> <li>SV RAID Manager</li> </ul> </li> <li>ServerView Suite - Maintain               <ul style="list-style-type: none"> <li>SV Remote Management (iRMC)</li> <li>SV Update Management (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>SV Asset Management</li> <li>SV Online Diagnostics</li> </ul> </li> <li>ServerView Suite - Integrate               <ul style="list-style-type: none"> <li>SV Integration packs e.g. for Microsoft System Center, Nagios, HP, SIM, HP NNM, IBM Tivoli, Altiris</li> </ul> </li> </ul> |
| <b>Option</b>                  | <ul style="list-style-type: none"> <li>ServerView Suite - Deploy               <ul style="list-style-type: none"> <li>SV Deployment Manager (full version)</li> </ul> </li> <li>ServerView Suite - Maintain               <ul style="list-style-type: none"> <li>iRMC Advanced Pack incl. Advanced Video Redirection (AVR) and Remote Storage</li> </ul> </li> <li>ServerView Suite - Dynamize               <ul style="list-style-type: none"> <li>SV Virtual-IO Manager (VIOM)</li> <li>SV Resource Orchestrator Virtual Edition (ROR VE)</li> <li>SV Resource Orchestrator Cloud Edition (ROR CE)</li> </ul> </li> <li>ServerView Suite - Integrate               <ul style="list-style-type: none"> <li>SV Integration pack for Fujitsu ManageNow® solution</li> </ul> </li> </ul>  |
| <b>Server Management notes</b> | Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.   |

## Dimensions / Weight

|                                |  |
|--------------------------------|--|
| <b>Floor-stand (W x D x H)</b> | 205 (306 ) x 584 x 444 mm  |
| <b>Rack (W x D x H)</b>        | 482 x 570 x 220 mm   |
| <b>Dimension notes</b>         | Floorstand Width 306 mm with tilt protection; depth measured excludes handles on redundant PSU. Rack depth excludes handles of redundant PSU and rack front. |
| <b>Mounting Depth Rack</b>     | 596 mm   |
| <b>Height Unit Rack</b>        | 5 U  |
| <b>Weight</b>                  | up to 36,8 kg  |
| <b>Weight notes</b>            | Actual weight may vary depending on configuration  |
| <b>Rack integration kit</b>    | Rack integration kit as option   |

## Environmental

|                                      |   |
|--------------------------------------|---|
| <b>Operating ambient temperature</b> | 10 - 35°C   |
| <b>Operating relative humidity</b>   | 10 - 85 % (non condensing)  |
| <b>Operating environment</b>         | FTS 04230 – Guideline for Data Center (installation locations)  |
| <b>Operating environment Link</b>    | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473</a> |
| <b>Noise emission</b>                | Measured according to ISO 7779 and declared according to ISO 9296   |
| <b>Sound pressure (LpAm)</b>         | 34 dB(A) (idle) / 36 dB(A) (operating)  |
| <b>Sound power (LWAd; 1B = 10dB)</b> | 5.2 B (idle) / 5.7 B (operating)  |
| <b>Noise notes / description</b>     | measured with standard fans and PSU   |

## Electrical values

|   |  |
|---|--|
| <b>Power supply configuration</b>         | 1x standard, 1x hot-plug or 2x redundant |
| <b>Max. output of single power supply</b> | 685 W                                    |
| <b>Standard power supply output</b>       | 700 W (85% efficiency)                   |
| <b>Hot-plug power supply output</b>       | 800 W (92% efficiency)                   |

**Electrical values**

|                                      |  |
|--------------------------------------|--|
| Hot-plug power supply redundancy     | Yes  |
| Rated voltage range                  | 100 V - 240 V  |
| Rated frequency range                | 47 Hz - 63 Hz  |
| Rated current max.                   | 9.5 - 4.0A   |
| Rated current in basic configuration | 1,3 0.6A   |
| Active power (min. configuration)    | 111 W  |
| Active power (max. configuration)    | 461 W  |
| Apparent power (max. configuration)  | 490 VA   |
| Heat emission                        | 1659.6 kJ/h (1573.0 BTU/h)   |
| Power Supply Notes                   | In case of using an UPS we recommend to select a 1500VA/1000 W type as a minimum, because high power peaks might be possible when switching over to battery! |

The following Energy Star Family configuration options use less energy and reduce greenhouse gas emissions:

TX200 S6 E-StarFam1

[http://ts.fujitsu.com/products/standard\\_servers/e\\_efficient.html](http://ts.fujitsu.com/products/standard_servers/e_efficient.html)

**Compliance**

|                       |   |
|-----------------------|---|
| Germany               | TÜV GS  |
| Europe                | CE Class A *  |
| USA/Canada            | CSAc/us<br>ULc/us<br>FCC Class A  |
| Global                | CB<br>RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)  |
| Japan                 | VCCI Class A + JIS 61000-3-2  |
| Australia/New Zealand | C-Tick  |
| Taiwan                | BSMI  |
| 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. |
| Compliance link       | <a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>   |

# Components

## Storage disks

|   |
|---|
| SSD SAS, 6 Gb/s, 400 GB, SLC, hot-plug, 2.5-inch, enterprise              |
| SSD SAS, 6 Gb/s, 200 GB, SLC, hot-plug, 2.5-inch, enterprise              |
| SSD SAS, 6 Gb/s, 100 GB, SLC, hot-plug, 2.5-inch, enterprise              |
| HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 3.5-inch, economic          |
| HDD SATA, 3 Gb/s, 500 GB, 7200 rpm, hot-plug, 3.5-inch, business critical |
| HDD SATA, 3 Gb/s, 500 GB, 7200 rpm, hot-plug, 2.5-inch, business critical |
| HDD SATA, 3 Gb/s, 320 GB, 5400 rpm, hot-plug, 2.5-inch, economic          |
| HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, hot-plug, 3.5-inch, economic          |
| HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, hot-plug, 2.5-inch, business critical |
| HDD SATA, 3 Gb/s, 160 GB, 7200 rpm, hot-plug, 3.5-inch, economic          |
| HDD SATA, 3 Gb/s, 160 GB, 5400 rpm, hot-plug, 2.5-inch, economic          |
| HDD SATA, 3 Gb/s, 2 TB, 7200 rpm, hot-plug, 3.5-inch, business critical   |
| HDD SATA, 3 Gb/s, 1 TB, 7200 rpm, hot-plug, 3.5-inch, business critical   |
| HDD SATA, 3 Gb/s, 1 TB, 7200 rpm, hot-plug, 2.5-inch, business critical   |
| HDD SAS, 6 Gb/s, 900 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 600 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 600 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 450 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 450 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 300 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 300 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 300 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 146 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 73 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise         |

## Backup Drives

|  |
|--|
| DDS Gen5, 36 GB, 3 MB/s, half height, USB 2.0                          |
| DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0                          |
| LTO2HH Ultrium, 200 GB, 24 MB/s, half height, SAS 3Gb/s                |
| LTO3HH Ultrium, 400 GB, 60 MB/s, half height, SAS 3Gb/s                |
| LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s               |
| LTO5HH Ultrium, 1500 GB, 140 MB/s, half height, SAS 6Gb/s              |
| RDX Drive, 160 GB, 320 GB, 500 GB, 1 TB, 25 MB/s, half height, USB 2.0 |

## Optical drives

|  |
|--|
| Blu-ray Disc™ Triple Writer, (4x BD-RW; 16x DVD; 40x CD), half height, SATA I                  |
| Blu-ray Disc™ Triple Writer, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I                     |
| DVD-ROM, (16xDVD; 48xCD), half height, SATA I  |
| DVD Super Multi, (16xDVD; 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I |
| DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I   |

## SCSI / SAS Controller

|  |
|--|
| SCSI Ctrl. 320 MB 1ch int/ext PCIe x1              |
| SAS Ctrl. 6 Gb 8 ports ext. PCIe Gen2 x8           |
| SAS Ctrl. 3 Gb 4 ports int. / 4 ports ext. PCIe x4 |

## RAID Controller

|   |
|---|
| Integrated RAID 5/6 Ctrl., HDD SAS 6 Gb, Fujitsu, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, Optional BBU (based on LSI SAS2108) |
| Integrated RAID 0/1 Ctrl., SAS/SATA 6 Gb, Fujitsu, 8 ports int.<br>RAID level: 0, 1, 10, No BBU support (based on LSI SAS2008)                          |
| Integrated RAID 0/1 Ctrl., SAS/SATA 3 Gb, 8 ports int.<br>RAID level: 0, 1, 1E, No BBU support (based on LSI 1068e)                                     |
| Integrated RAID 0/1 Ctrl., SAS/SATA 3 Gb, 4 ports int.<br>RAID level: 0, 1, 1E, No BBU support (based on LSI 1064e)                                     |



|   |  |
|---|--|
| <b>Fibre Channel controller</b>                                 | Fibre Channel Host Bus Adapter 1 x 8 Gb QLogic QLE2560 MMF LC-style<br>Fibre Channel Host Bus Adapter 2 x 8 Gb QLogic QLE2562 MMF LC-style<br>Fibre Channel Host Bus Adapter 1 x 8 Gb Emulex LPe1250 MMF LC-style<br>Fibre Channel Host Bus Adapter 2 x 8 Gb Emulex LPe12002 MMF LC-style  |
| <b>LAN Controller</b>   | Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit CT Desktop Adapter<br>Ethernet Ctrl. 1 x 1 Gb Intel® PRO/1000 PF Server Adapter<br>Ethernet Ctrl. 1 x 1 Gb Intel® PRO/1000 PT Server Adapter<br>Ethernet Ctrl. 2 x 10 Gb Fujitsu Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+<br>Ethernet Ctrl. 2 x 1 Gb Fujitsu LAN Adapter D2735-2<br>Ethernet Ctrl. 4 x 1 Gb Fujitsu Eth Ctrl 4x1Gbit PCIe x4 D2745 Cu |
| <b>Graphics add on cards</b>                                    | NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA   |
| <b>Rack infrastructure</b>                                      | Cable Arm 2U for PCR M1 S and 3rd party racks<br>Rackmount kit full extraction (760mm), tool less mounting<br>Cable Management for asym. 19-inch PRIMECENTER Racks   |
| <b>Warranty</b>   |  |
| <b>Standard Warranty</b>  | 3 years  |
| <b>Service level</b>  | On-site Service (depending on country)   |
| <b>Maintenance and Support Services - the perfect extension</b> |  |
| <b>Recommended Service</b>                                      | 7x24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.  |
| <b>Service Lifecycle</b>  | 5 years  |
| <b>Service Weblink</b>  | <a href="http://www.fujitsu.com/fts/services">http://www.fujitsu.com/fts/services</a>  |

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX200 S6, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

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

### Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu PRIMERGY TX200 S6, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts](http://www.fujitsu.com/fts)

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>  
Copyright © Fujitsu Technology Solutions

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

## Contact

FUJITSU LIMITED

Website: [www.fujitsu.com](http://www.fujitsu.com)  
2012-04-12 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <http://www.fujitsu.com/fts/resources/navigation/terms-of-use.html>  
Copyright © Fujitsu Technology Solutions