

# Data Sheet

## Fujitsu Server PRIMERGY RX200 S8 Dual socket 1U rack server

Datasheet for Red Hat certification

### Maximum productivity in a 1U housing

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

FUJITSU Server PRIMERGY RX rack systems are versatile rack-optimized servers providing best-in-class performance and energy efficiency, and thus form the "standard" in each datacenter. PRIMERGY RX servers deliver approximately 20 years of development and production know-how resulting in extremely low failure rates below market average, and leading to continuous operations and outstanding hardware availability.

#### PRIMERGY RX200 S8

The Fujitsu Server PRIMERGY RX200 S8 is a rack server that provides high performance, expandability and energy efficiency in 1U space saving housing. Thus, the PRIMERGY RX200 S8 is ideal for virtualization and cloud, small databases as well as for high performance computing thanks to the top performance of the new Intel® Xeon® E5 product family. Moreover, the RX200 S8 delivers a great expandability, by supporting up to 1536 GB of memory, eight hard disk drives and cost-saving Modular LAN options to ensure future requirements are met and budgets are saved. Thanks to the highly efficient power supply units

with an efficiency rate of 96 % and the new power management this will result in lower operational costs.



# Features & Benefits

| Main Features   | Benefits   |
|---|--|
| <p><b>Meet today's demand and be prepared for future requirements</b></p> <ul style="list-style-type: none"><li>■ Intel Xeon E5-2600 v2 product family with up to 12 core processors and Turbo Boost 2.0</li></ul>  | <ul style="list-style-type: none"><li>■ High performance for an efficient datacenter</li><li>■ 50% more cores compared to the previous generation enables to run significantly more virtual machines</li><li>■ Optimized for business applications, cloud and virtualization</li></ul> |
| <p><b>Lifecycle investment protection</b></p> <ul style="list-style-type: none"><li>■ Expanded scalability of up to 24 DIMMs with 1536 GB memory, up to 8 hard disk drives and 4 PCIe slots Gen3</li><li>■ New modular concept for the base unit as well as a choice for LAN controller, RAID controller and power supplies</li><li>■ Upgrade kits for hard disk drives and CPU available</li></ul>   |  |
| <p><b>Cost efficient operations</b></p> <ul style="list-style-type: none"><li>■ Comprehensive power management including pre-defined power profiles and a scheduled mode to switch between the profiles automatically</li><li>■ 2 hot-plug PSU with 94 % efficiency (96 % planned)</li><li>■ Cool-safe™ Advanced Thermal Design enables the operation in a higher ambient temperature</li><li>■ Fujitsu ServerView Suite offers tools for installation and deployment, permanent status monitoring and control. A wide range of integration packs allow a seamless and easy integration in widely-used enterprise management systems.</li></ul> |  |

# Technical details

## PRIMERGY RX200 S8

|                            |                       |                       |
|----------------------------|-----------------------|-----------------------|
| Base unit                  | PRIMERGY RX200 S8 SFF | PRIMERGY RX200 S8 SFF |
| Housing types              | Rack                  | Rack                  |
| Storage drive architecture | 4x 2.5-inch SAS/SATA  | 8x 2.5-inch SAS/SATA  |
| Power supply               | Hot-plug              | Hot-plug              |

## Mainboard

|                             |  |
|-----------------------------|--|
| Mainboard type              | D3302  |
| Chipset                     | Intel® C600 (Intel® Patsburg A)                          |
| Processor quantity and type | 1 - 2 x Intel® Xeon® processor E5-2600 v2 product family |

## Processor

|  |   |
|--|---|
| Intel® Xeon® processor E5-2603v2<br>(4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W)     |   |
| Intel® Xeon® processor E5-2609v2<br>(4C/4T, 2.50 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,333 MHz, 80 W)     |   |
| Intel® Xeon® processor E5-2620v2<br>(6C/12T, 2.10 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 80 W)   |   |
| Intel® Xeon® processor E5-2630Lv2<br>(6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 60 W)  |   |
| Intel® Xeon® processor E5-2630v2<br>(6C/12T, 2.60 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 80 W)   |   |
| Intel® Xeon® processor E5-2637v2<br>(4C/8T, 3.50 GHz, TLC: 15 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)   |   |
| Intel® Xeon® processor E5-2640v2<br>(8C/16T, 2.00 GHz, TLC: 20 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1,600 MHz, 95 W)   |   |
| Intel® Xeon® processor E5-2643v2<br>(6C/12T, 3.50 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)  |   |
| Intel® Xeon® processor E5-2650Lv2<br>(10C/20T, 1.70 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 70 W) |   |
| Intel® Xeon® processor E5-2650v2<br>(8C/16T, 2.60 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 95 W)   |   |
| Intel® Xeon® processor E5-2660v2<br>(10C/20T, 2.20 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 95 W)  |   |
| Intel® Xeon® processor E5-2667v2<br>(8C/16T, 3.30 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W)  |   |
| Intel® Xeon® processor E5-2670v2<br>(10C/20T, 2.50 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W) |   |
| Intel® Xeon® processor E5-2680v2<br>(10C/20T, 2.80 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W) |   |
| Intel® Xeon® processor E5-2690v2<br>(10C/20T, 3.00 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |   |
| Intel® Xeon® processor E5-2695v2<br>(12C/24T, 2.40 GHz, TLC: 30 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W) |   |
| Intel® Xeon® processor E5-2697v2<br>(12C/24T, 2.70 GHz, TLC: 30 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,866 MHz, 130 W) |   |
| Memory slots   | 24 (12 DIMMs per CPU, 4 channels with 3 slots per channel)  |
| Memory slot type   | DIMM (DDR3)   |
| Memory capacity (min. - max.)  | 4 GB - 1536 GB  |
| Memory protection  | Advanced ECC<br>Memory Scrubbing<br>SDDC (Chipkill™)<br>Rank sparing memory support<br>Memory Mirroring support (as soon as released) |

|   |   |                                |
|---|---|--------------------------------|
| <b>Memory notes</b>                     | Max. 8 memory modules/CPU with UDIMM (low voltage or standard) OR quad-rank RDIMM; max. 12 memory modules/CPU with single or dual-rank RDIMM or single, dual-rank or quad-rank Load-Reduced (LR) DIMM.<br>Memory Mirroring with identical modules in both channel pairs of a bank (4 modules per bank), Rank sparing or Performance Mode with identical modules in all four channels (4 modules per bank).  |                                |
| <b>Memory options</b>                   | 4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank<br>8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank<br>8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1,866 MHz, PC3-14900, DIMM, dual rank<br>16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank<br>32 GB (1 module(s) 32 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM, quad rank<br>64 GB (1 module(s) 64 GB) DDR3 LR, registered, ECC, 1,333 MHz, PC3-10600, DIMM, octo rank |                                |
| <b>Memory options</b>                   | 8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank  |                                |
| <b>Interfaces</b>                       |   |                                |
| <b>USB 2.0 ports</b>                    | 6 x USB 2.0 (2x front, 3x rear, 1x uSSD)  |                                |
| <b>Graphics (15-pin)</b>                | 2 x VGA (thereof 1x front optional)   |                                |
| <b>LAN / Ethernet</b>                   | 2 x Gbit/s Ethernet (RJ45) with upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x 10 Gbit/s (SFP+)   |                                |
| <b>Management LAN (RJ45)</b>            | 1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s)<br>Management LAN traffic can be switched to shared onboard Gbit LAN port or optional Modular LAN 2x10 Gbit controller<br>Front Service LAN port as option   |                                |
| <b>Onboard or integrated Controller</b> |   |                                |
| <b>RAID controller</b>                  | 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/10 (Intel C600)<br>additional RAID controller options are described under Components RAID controller   |                                |
| <b>SATA Controller</b>                  | Intel® C600, 1 x SATA channel for ODD   |                                |
| <b>LAN Controller</b>                   | Intel® Ethernet Controller I350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated on-board LAN offers upgrade options for additional 2x1 Gbit/s, 4x 1 Gbit/s or 2x 10 Gbit/s.<br>PXE-Boot via LAN from PXE server, iSCSI boot (also diskless)   |                                |
| <b>Remote Management Controller</b>     | Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller)<br>IPMI 2.0 compatible  |                                |
| <b>Trusted Platform Module (TPM)</b>    | Infineon / separate module; TCG V1.2 compliant (option)   |                                |
| <b>Slots</b>                            |   |                                |
| <b>PCI-Express 3.0 x8</b>               | 3 x Low profile   |                                |
| <b>PCI-Express 3.0 x16</b>              | 1 x Low profile   |                                |
| <b>Slot Notes</b>                       | One PCIe Gen3 x8 slot may be occupied with a Modular integrated on-board LAN controller if configured.<br>One PCIe Gen3 x8 slot may be occupied with a Modular RAID controller if configured.<br>Possible slot length described in relevant system configurator.  |                                |
| <b>Drive bays (Base unit specific)</b>  |   |                                |
| <b>Storage drive bays</b>               | 4 x 2.5-inch base unit or 8 x 2.5-inch base unit  |                                |
| <b>Accessible drive bays</b>            | 1 x 5.25/0.5-inch for DVD-RW/Blu-ray (only for base unit 4x 2.5-inch HDD)   |                                |
| <b>Notes accessible drives</b>          | All possible options described in relevant system configurator.   |                                |
| <b>Drive bays (Base unit specific)</b>  |   |                                |
| <b>Storage drive bays</b>               | 4 x 2.5-inch hot-plug SAS/SATA  | 8 x 2.5-inch hot-plug SAS/SATA |
| <b>General system information</b>       |   |                                |
| <b>Number of fans</b>                   | 6   |                                |
| <b>Fan configuration</b>                | redundant / hot-plug  |                                |
| <b>Fan notes</b>                        | 4 + 2 double-fans for 2 CPU configuration   |                                |
| <b>Operating panel</b>                  |   |                                |
| <b>Operating buttons</b>                | On/off switch<br>Reset button<br>NMI button<br>ID 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) |
|--------------------|--|

**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<br>Remote iSCSI boot support |
|----------------------|--|

**Operating Systems and Virtualization Software**

|   |  |
|---|--|
| <b>Certified or supported operating systems and virtualization software</b> | Microsoft® Hyper-V Server 2012<br>Microsoft® Windows Server® 2012 Datacenter<br>Microsoft® Windows Server® 2012 Standard<br>Microsoft® Windows Server® 2012 Essentials<br>Microsoft® Windows Storage Server 2012 Standard<br>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® Small Business Server 2011 Premium Add-On<br>Microsoft® Windows® Small Business Server Standard 2011<br>Microsoft® Windows® Server 2008 Datacenter<br>Microsoft® Windows® Server 2008 Enterprise<br>Microsoft® Windows® Server 2008 Standard<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>SUSE® Linux Enterprise Server 11<br>Red Hat® Enterprise Linux 7<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=d4ebd846-aa0c-478b-8f58-4cfbf3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473</a>  |
| <b>Operating system notes</b>   | Support of other Linux derivatives on demand   |

**Server Management**

|                 |  |
|-----------------|--|
| <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> </ul> </li> <li>ServerView Suite - Control <ul style="list-style-type: none"> <li>Operations Manager incl. PDA and ASR &amp; R (Prefailure and Analysis; Automatic Server Recovery and Restart)</li> <li>Agents and CIM Providers</li> <li>System Monitor</li> <li>RAID Manager</li> <li>Capacity Management</li> <li>Power Management</li> <li>Storage Support</li> </ul> </li> <li>ServerView Suite - Maintain <ul style="list-style-type: none"> <li>Remote Management (iRMC)</li> <li>Update Management (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>Performance Measurement</li> <li>Asset Management</li> <li>Online Diagnostics</li> </ul> </li> <li>ServerView Suite - Integrate <ul style="list-style-type: none"> <li>Integration packs e.g. for Microsoft System Center, VMware vCenter, Nagios, HP SIM and others</li> </ul> </li> </ul> |
| <b>Option</b>   | <ul style="list-style-type: none"> <li>ServerView Suite - Maintain <ul style="list-style-type: none"> <li>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media</li> </ul> </li> <li>ServerView Suite - Dynamize <ul style="list-style-type: none"> <li>Virtual-IO Manager (VIOM)</li> <li>Resource Orchestrator Virtual Edition (ROR VE)</li> <li>Resource Orchestrator Cloud Edition (ROR CE)</li> </ul> </li> <li>ServerView Suite - Integrate <ul style="list-style-type: none"> <li>Integration pack for Fujitsu ManageNow® solution</li> </ul> </li> </ul>  |

**Dimensions / Weight**

|                                  |   |
|----------------------------------|---|
| <b>Rack (W x D x H)</b>          | 482 mm (Bezel) / 431mm (Body) x 762 mm x 43 mm    |
| <b>Mounting Depth Rack</b>       | 718 mm  |
| <b>Height Unit Rack</b>          | 1 U   |
| <b>19" rackmount</b>             | Yes   |
| <b>Mounting Cable depth rack</b> | 200 mm (1,000 mm Rack recommended)                |
| <b>Weight</b>                    | up to 18 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> | 5 - 40 °C   |
| <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>         | Minimum noise : 32 dB(A) (idle) / 32 dB(A) (operating)<br>Typical noise : 50 dB(A) (idle) / 50 dB(A) (operating)  |
| <b>Sound power (LWAd; 1B = 10dB)</b> | Minimum noise : 5.0 B (idle) / 5.0 B (operating)<br>Typical noise : 6.7 B (idle) / 6.7 B (operating)  |
| <b>Noise notes</b>                   | Noise emissions and operation modes depend on system configuration.   |

**Electrical values**

|   |   |
|---|---|
| <b>Power supply configuration</b>         | 1-2x 450W/800W hot-plug power supply                |
| <b>Max. output of single power supply</b> | 450 W (94% efficiency); 800W (94% / 96% efficiency) |

**Electrical values**

|                                      |   |
|--------------------------------------|---|
| Power supply efficiency              | 94 % (80 PLUS platinum)<br>96 % (80 PLUS titanium)  |
| Hot-plug power supply output         | 450 W (94% efficiency); 800W (94% / 96% efficiency)   |
| Hot-plug power supply redundancy     | Yes   |
| Rated voltage range                  | 100 V - 240 V   |
| Rated frequency range                | 50 Hz - 60 Hz   |
| Rated current max.                   | 6.5 A (100 V) / 3.5 A (240 V)   |
| Rated current in basic configuration | 1.5 A (100 V) / 0.6 A (240 V)   |
| Active power (max. configuration)    | 627 W   |
| Active power note                    | 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> |
| Apparent power (max. configuration)  | 646 VA  |
| Heat emission                        | 2257.2 kJ/h (2139.4 BTU/h)  |
| Power Supply Notes                   | Power Safeguard adapts system performance in case the wattage exceeds supply limits.  |

**Compliance**

|                  |   |
|------------------|---|
| Global           | CB<br>RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)  |
| Germany          | GS  |
| Europe           | CE Class A *  |
| USA/Canada       | CSAc/us<br>ULc/us<br>ICES-003 Class A<br>FCC Class A  |
| Japan            | VCCI Class A + JIS 61000-3-2  |
| China            | CCC (planned)   |
| Taiwan           | CNS 13438 class A - planned   |
| Compliance link  | <a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.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

## Storage drives

|  |
|--|
| SSD SATA, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise              |
| SSD SATA, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise              |
| SSD SATA, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise              |
| SSD SAS, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise               |
| SSD SAS, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise               |
| SSD SAS, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise               |
| PCIe-SSD, 785 GB, MLC, Flash drive, 7.7 DWPD (drive writes per day)        |
| PCIe-SSD, 1.2 TB, MLC, Flash drive, 7.7 DWPD (drive writes per day)        |
| HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical   |
| HDD SAS, 6 Gb/s, 900 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 600 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical  |
| HDD SAS, 6 Gb/s, 450 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 300 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 146 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise        |
| HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical    |

## Optical drives

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

## SCSI / SAS Controller

|   |
|---|
| SAS Ctrl. 6 Gbit/s 8 ports ext. PCIe 2.0 x8 |
|---|

## RAID Controller

|   |
|---|
| RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, LSI LSI MegaRAID SAS 9286CV-8e,<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)   |
| RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, Optional BBU for selected systems (based on LSI SAS2108) |
| RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116C), 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)                                   |
| RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int.<br>RAID level: 0, 1, 10, No BBU support   |

## Fibre Channel controller

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| Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Qlogic QLE2560 MMF LC-style  |
| Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Qlogic QLE2562 MMF LC-style  |
| Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Emulex LPe1250 MMF LC-style  |
| Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Emulex LPe12002 MMF LC-style |



|   |   |
|---|---|
| <b>Communication, Network</b>                                   | Converged Network Adapter 2 x 10 Gbit/s PCIe 2.0 x8 ( Emulex )  |
|   | Ethernet Ctrl. 1 x 1 Gbit/s PCIe 1.1 x1 ( Intel® )  |
|   | Ethernet Ctrl. 1 x 1 Gbit/s PCIe x4 ( Intel® )  |
|   | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.0 x8 ( Fujitsu )  |
|   | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 ( Intel® )   |
|   | Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 ( Fujitsu )   |
|   | Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 ( Fujitsu )   |
|   | Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 ( Fujitsu )   |
|   | Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 ( Fujitsu )   |
|   | InfiniBand HCA 1 x 40 Gbit/s PCIe 2.0 x8 ( Intel® )   |
|   | InfiniBand HCA 1 x 40 Gbit/s PCIe 2.0 x8 ( Mellanox )   |
|   | InfiniBand HCA 1 x 40 Gbit/s PCIe 3.0 x8 ( Mellanox )   |
|   | InfiniBand HCA 1 x 56 Gbit/s PCIe 3.0 x8 ( Mellanox )   |
|   | InfiniBand HCA 2 x 40 Gbit/s PCIe 2.0 x8 ( Intel® )   |
| InfiniBand HCA 2 x 40 Gbit/s PCIe 3.0 x8 ( Mellanox )           |   |
| InfiniBand HCA 2 x 56 Gbit/s PCIe 3.0 x8 ( Mellanox )           |   |
| <b>Rack infrastructure</b>                                      | Rackmount kit full extraction (820mm), tool less mounting, length variable 559-914mm  |
|   | Cable Management 1U for PRIMECENTER- and 3rd-party racks  |
| <b>Warranty</b>   |   |
| Standard Warranty   | 3 years   |
| Service level   | Onsite Service  |
| 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>Maintenance and Support Services - the perfect extension</b> |   |
| Support Pack Options  | Globally available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time<br>24x7, 4h Onsite Response Time |
| Recommended Service   | 24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.   |
| Service Lifecycle   | 5 years after end of product life   |
| Service Weblink   | <a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>   |

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY RX200 S8, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

## Fujitsu Portfolio

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

## Computing Products

[www.fujitsu.com/global/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 RX200 S8, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://www.fujitsu.com/PRIMERGY>

## Fujitsu green policy innovation

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



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