# Data Sheet
## Fujitsu PRIMERGY RX4770 M3 Server

Platform of choice for business critical backend services with superior levels of performance and reliability – enhanced with the latest processor and memory technology

### PRIMERGY RX4770 M3

The FUJITSU Server PRIMERGY RX4770 M3 is an industry-standard x86 system with four sockets, providing superior levels of performance, scalability and efficiency. This combination turns the server into the ideal platform for running databases and transactional applications, business intelligence (BI) workloads, back-end and in-memory databases, as well as data-intensive applications. Plus, it substantially simplifies carrying out infrastructure-related tasks like server virtualization and consolidation. Featuring the Intel® Xeon® processor E7 v4 product family with up to 24 cores pushes this server to a whole new level of compute performance to deliver more efficient business results. Thanks to the highly performant and superfast DDR4 memory technology with up to 6TB memory capacity, the system can handle complex, data-intensive workloads e.g. in-memory databases like SAP HANA® and real-time business analytics even easier than the previous generation. The PRIMERGY RX4770 M3 supports 12 Gbit/s SAS/SATA controller with optional FBU and up to eight 2.5-inch hot-plug storage drives providing faster access to more data and can be expanded to a total of 12x storage drives when including the up to 4x 2.5-inch PCIe SSDs. An onboard dual-channel 10 Gbit/s Ethernet controller, plus eleven PCI-Express Gen3 slots help to increase bandwidth for even faster time to business insights. With built-in redundancy and hot-pluggable components, as well as advanced business-critical RAS features such as Resilient System- and Memory Technologies, the RX4770 M3 provides higher availability and uptime. Virtualization and consolidation of IT resources offers many benefits, but often also leads to increased expenses for server administration. Thus the PRIMERGY RX4770 M3 delivers state-of-the-art management capabilities with the integrated Remote Management Controller (iRMC S4) offering a variety of user-friendly functions to ensure a faster and more cost-effective infrastructure management, no matter whether the server is located in the server-room next door or in another part of the world.

# Features & Benefits

| Main Features | Benefits |
|---|---|
| Rapidly analyze large data sets to gain real-time insights | |
| ■ PRIMERGY RX4770 M3 increases the system performance over the previous generation using latest Intel® Xeon® E7 v4 product family with up to 24 cores. | ■ The new generation of quad-socket PRIMERGY servers accelerates decision-making capabilities and thus shortens the time to business results. |
| ■ 20 percent higher maximum core count and 33 percent more L3 cache (60 MB instead of 45 MB). | ■ New, faster memory technology over the preceding generation allows to implement large scale in-memory computing and virtualization scenarios. |
| ■ Enormous memory capacity with up to 6TB (96 DIMM slots) on 8 configurable memory boards. | ■ Increased performance providing faster access to more data. |
| ■ 12 Gbit/s SAS/SATA Controller with optional FBU and up to eight 2.5 inch, hot-pluggable SAS/SATA SSDs, SATA HDDs + up to four optional PCIe SSDs. | |
| Enhanced business-critical x86 RAS features | |
| ■ Built-in redundancy and hot-pluggable components, Advanced ECC, Memory Scrubbing, SDDC and DDDC. | ■ Business-critical RAS features lowering the risk for unplanned IT downtimes. |
| ■ Advanced resilient system and memory technologies that integrate processor, firmware, and software layers to help diagnose fatal errors, contain faults, and automatically recover to keep the server operating. | ■ Enhanced set of features adds even more reliability, availability, and serviceability that customers need for running their business-critical applications. |
| Improved efficiency for business-critical services | |
| ■ The PRIMERGY RX4770 M3 provides savings in operational expenses with scale-up consolidation efficiencies. | ■ Saves time and conserves valuable IT resources by simplifying remote management. |
| ■ Comprehensive management covering the entire lifecycle of servers with a single integrated view of the IT infrastructure via FUJITSU ServerView Suite. | ■ Integrated Remote Management Controller (iRMC S4) enables extensive monitoring and management of servers regardless of their system status – even at decentralized locations. |
| ■ Local Service Display (LSD) and integrated Remote Management Controller (iRMC S4) as standard. | ■ Use the ServerView Local Service Display on the front panel of the server to check the status of the key system components at any time without opening the housing. |
| ■ New power supply units with 80Plus Platinum (94 percent) energy-efficiency. | ■ Continuous reduction of power and cooling costs. |

# Technical details

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| **PRIMERGY RX4770 M3** | |
| Base unit | PRIMERGY RX4770 M3 |
| Housing types | Rack |
| Product Type | Quad Socket Rack Server |
| **Mainboard** | |
| Mainboard type | D 3749 |
| Chipset | Intel® C114 Scalable Memory Buffer (Advanced)<br>Intel® C602 J |
| Processor quantity and type | 2 or 4 x Intel® Xeon® processor E7-8800 v4 product family |
| | Intel® Xeon® processor E7-8894v4 (24C/48T, 2.40 GHz, up to 2.8 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8893v4 (4C/8T, 3.20 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8891v4 (10C/20T, 2.80 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8890v4 (24C/48T, 2.20 GHz, up to 2.6 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8880v4 (22C/44T, 2.20 GHz, up to 2.6 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8870v4 (20C/40T, 2.10 GHz, up to 2.6 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8867v4 (18C/36T, 2.40 GHz, up to 2.8 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-8860v4 (18C/36T, 2.20 GHz, up to 2.7 GHz, 9.6 GT/s) |
| | Intel® Xeon® processor E7-4850v4 (16C/32T, 2.10 GHz, 8.0 GT/s) |
| | Intel® Xeon® processor E7-4830v4 (14C/28T, 2.00 GHz, 8.0 GT/s) |
| | Intel® Xeon® processor E7-4820v4 (10C/20T, 2.00 GHz, 6.4 GT/s) |
| | Intel® Xeon® processor E7-4809v4 (8C/16T, 2.10 GHz, 6.4 GT/s) |
| Processor notes | A mimimum of 2 processors must be configured, no mix of different processor types |
| Memory slots | 96 (distributed on 8 memory boards with 12 slots each) |
| Memory slot type | DIMM (DDR4) |
| Memory capacity (min. - max.) | 16 GB - 6 TB |
| Memory protection | Advanced ECC<br>Memory Scrubbing<br>SDDC<br>DDDC (Double Device Data Correction)<br>Memory Mirroring support<br>Rank sparing memory support |
| Memory notes | Memory modules are installed on memory boards (12 DIMM slots per memory board)<br>Two memory boards are preinstalled in base unit, further memory boards as option |
| Memory modules notes | Memory modules will be delivered in set´s of 2 DIMMs per order code.<br>Intel® C114 Scalable Memory Buffer supports max. 1866MHz memory clock speed. Clock speed is also depending on Memory Controller Mode, DIMM Slot occupation and server releases. |
| **Interfaces** | |
| USB 2.x ports | 5 x USB 2.0 external ports (3 x front, 2 x rear, (1 x internal)) |
| Graphics (15-pin) | 2 x VGA (1 x front, 1 x rear) |
| Serial 1 (9-pin) | 1 x RS-232-C |
| LAN / Ethernet | 2 x 10 Gbit/s; 1 Gbit/s; 100 MBit/s Ethernet (RJ45) |
| Management LAN (RJ45) | 1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s) |
| **Onboard or integrated Controller** | |
| LAN Controller | 2 x 100/1000 Mbit/s / 10 Gbit/s Ethernet (RJ45)<br>TCP/IP acceleration, PXE boot via LAN from PXE server |
| Remote management controller | Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller)<br>IPMI 2.0 compatible |
| Trusted Platform Module (TPM) | Infineon / TPM 1.2 or TPM 2.0 module; TCG compliant (option) |

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| **Slots** | |
| PCI-Express 3.0 x8 | 9 x Full height 1/2 length |
| PCI-Express 3.0 x16 | 2 x Full height 3/4 length |
| Slot Notes | One of the nine slots are exclusive for internal RAID Controller as connection to internal HDD/SSD slots |
| **Drive bays** | |
| Storage drive bays | 12 x 2.5-inch hot-plug |
| Storage drive bay configuration | 8 x SAS/SATA + 4 x PCIe |
| Accessible drive bays | 1 x 5.25/0.5-inch for DVD-RW/Blu-ray |
| **General system information** | |
| Number of fans | 8 |
| Fan configuration | hot-plug |
| Fan notes | 7+1 redundant |
| **Operating panel** | |
| Operating buttons | On/off switch<br>NMI button<br>Reset button<br>ID button |
| Status LEDs | Power (green)<br>System status (green / orange)<br>CSS (orange)<br>Hard disks access (green)<br>At system rear side:<br>Identification (blue) |
| Service display | ServerView Local Service Display (LSD) |
| **BIOS** | |
| BIOS features | ROM based setup utility<br>Recovery BIOS<br>BIOS settings save and restore<br>Local BIOS update from USB device<br>Online update tools for main Linux versions<br>Local and remote update via ServerView Update Manager<br>SMBIOS V2.4<br>Remote PXE boot support<br>Remote iSCSI boot support |

| Operating Systems and Virtualization Software | |
|---|---|
| Certified or supported operating systems and virtualization software | Windows Server 2019 Datacenter |
| | Windows Server 2019 Standard |
| | Windows Server Datacenter, version 1809 |
| | Windows Server Standard, version 1809 |
| | Hyper-V Server 2016 |
| | Windows Server 2016 Datacenter |
| | Windows Server 2016 Standard |
| | Windows Server Datacenter, version 1709 |
| | Hyper-V Server 2012 R2 |
| | Windows Server 2012 R2 Datacenter |
| | Windows Server 2012 R2 Standard |
| | Hyper-V Server 2012 |
| | Windows Server 2012 Datacenter |
| | Windows Server 2012 Standard |
| | Hyper-V™ Server 2008 R2 |
| | Windows Server 2008 R2 Datacenter |
| | Windows Server 2008 R2 Enterprise |
| | Windows Server 2008 R2 Standard |
| | VMware vSphere™ 6.7 |
| | VMware vSphere™ 6.5 |
| | VMware vSphere™ 6.0 |
| | SUSE® Linux Enterprise Server 12 |
| | SUSE® Linux Enterprise Server 11 |
| | Red Hat® Enterprise Linux 8 |
| | Red Hat® Enterprise Linux 7 |
| | Red Hat® Enterprise Linux 6 |
| | Oracle® Linux 7 |
| | Oracle® Linux 6 |
| | Oracle® VM 3 |
| Operating system release link | http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473 |
| Operating system notes | Support of other Linux derivatives on demand |

| Server Management | |
|---|---|
| DC Infrastructure Management | Infrastructure Manager (ISM) Essential<br>Node Management<br>Health status Monitoring and Control<br>Capacity/Threshold Management<br>Power Management<br>Converged Management<br>Auto Discovery<br>Remote Management<br>Update Management<br>Logging and Auditing<br>ServerView Suite - Deploy<br>Installation Manager<br>Scripting Toolkit<br>ServerView Suite - Control<br>Operations Manager incl. PDA and ASR & R<br>Agents and CIM Providers / Agentless Service<br>System Monitor<br>RAID Manager<br>Capacity Management<br>Power Management<br>Storage Support<br>ServerView Suite - Maintain<br>Remote Management (iRMC in combination with Intel® Node Manager)<br>Update Management (BIOS, Firmware, Windows Drivers, Agents and CIM Providers)<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<br>Deployment tools and others |
| Server Management | ServerView embedded Lifecycle Management (eLCM)<br>Lifecycle management<br>ServerView Suite - Maintain<br>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media<br>ServerView Suite - Dynamize<br>Virtual-IO Manager (VIOM)<br>Infrastructure Manager (ISM)<br>Automate device config<br>Mass OS Installation<br>Node Management<br>Health Status Monitoring<br>Capacity Management<br>Power Management<br>Converged View<br>Network & Virtual IO Management<br>Update Management<br>Integrate IT<br>Remote Management<br>Update Management<br>Logging and Auditing<br>Integrate in to<br>Enterprise Management<br>Vendor specific Management<br>Monitor 3rd party platforms |
| Management notes | Regarding dependencies for ServerView Suite software products see dedicated product data sheets. |

| Dimensions / Weight | |
|---|---|
| Rack (W x D x H) | 482.6 mm (Bezel) / 445mm (Body) x 765 x 176 mm |
| Mounting Depth Rack | 728 mm |
| Height Unit Rack | 4 U |
| 19″ rackmount | Yes |
| Mounting Cable depth rack | 100 mm (1,000 mm Rack recommended) |

| Dimensions / Weight | |
|---|---|
| Weight | max. 46 kg |
| Weight notes | Actual weight may vary depending on configuration |
| Rack integration kit | Rack integration kit as option |

| Environment | |
|---|---|
| Operating ambient temperature | 5 - 40 °C (41 - 104 °F) |
| Operating temperature note | Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. Please use the Fujitsu WebArchitect (www.fujitsu.com/configurator/public) to get detailed information on the corresponding configurations. |
| Operating relative humidity | 10 - 85 % (non condensing) |
| Operating environment | FTS 04230 – Guideline for Data Center (installation specification) |
| Operating environment link | http://docs.ts.fujitsu.com/dl.aspx?id=589915e9-1bf8-40f7-8ba4-7cac9371f2f0 |
| Noise emission | Measured according to ISO 7779 and declared according to ISO 9296 |
| Sound pressure (LpAm) | 52 dB(A) (idle) / 52 dB(A) (operating) |
| Sound power (LWAd; 1B = 10dB) | 6.7 B (idle) / 6.7 B (operating) |
| Noise notes | at ambient temperature <23°C<br>Noise emissions depends on operation modes, system configuration and ambient temperature. |

| Electrical values | |
|---|---|
| Power supply configuration | Up to 4 hot-plug power supplies. Base unit equipped with 2 power supplies, 3rd and 4th PSU as option, no Mix |
| Hot-plug power supply redundancy | Yes |
| Active power (max. configuration) | 1,990 W |
| Rated power max. | 2,820 W |
| Heat emission (max. configuration) | 7164.0 kJ/h (6790.2 BTU/h) |
| Rated current max. | 28.2 A / 11 A |
| Active power note | To estimate the power consumption of different configurations use the Fujitsu Product Configurator: www.fujitsu.com/configurator/public |
| Power supply | 1200W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 110V range: 1000W, less than 110V: 900W<br>1600W hot-plug, 94% (Platinum efficiency), 200-240V, 50 / 60Hz |

| Compliance | |
|---|---|
| Global | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronical equipment) |
| Europe | CE |
| USA/Canada | CSAc/us<br>FCC Class A |
| Japan | VCCI |
| Taiwan | BSMI |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |
| 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

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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 |

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| | 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, 512n, hot-plug, 2.5-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, 450 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise |
| | HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 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, 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, 2.5-inch, business critical |
| | 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, 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, 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 |
| | HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical |
| | SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| | SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.5 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| | SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| | SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |

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| | SSD SAS, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD (Drive Writes Per Day for 5 years), SED |
| | SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 800 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD (Drive Writes Per Day for 5 years), SED |
| | SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 400 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (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 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD (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 DWPD (Drive Writes Per Day for 5 years) |
| | SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (Drive Writes Per Day for 5 years) |
| | PCIe-SSD SFF, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD (Drive Writes Per Day for 5 years) |
| | PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD (Drive Writes Per Day for 5 years) |
| | PCIe-SSD AIC, 4 TB, Mixed-use, HHHL, Flash drive, 3.1 DWPD (Drive Writes Per Day for 5 years) |
| SCSI / SAS Controller | Fujitsu PSAS CP400e FH SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8 |
| RAID Controller | Fujitsu PRAID EP440i FH, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID EP440i FH TFM SafeStore, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID EP420i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID EP420i for SafeStore, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID EP400i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID CP400i, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 1E, 10, 5, 50, No FBU support |
| | Fibre Channel 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 controller | Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Cavium QLE2740 MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Cavium QLE2742 MMF LC-style |
| | Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Emulex LPe32000-M6-F MMF LC-style |
| | Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Emulex LPe32002-M6-F MMF LC-style |
| | Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Qlogic QLE2670 LC-style |
| | Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QLE2672 LC-style |
| Fibre Channel controller | 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 |
| | Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex ) |
| Communication, Network | Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® ) |

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| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 RJ45 ( Intel® ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 10Gbit/s Eth (RJ45) ( Emulex ) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex ) |
| Communication, Network | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® ) |
| | Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® ) |
| | Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® ) |
| | Ethernet Mezzanine Card 2 x 10 Gbit/s SFP+ ( Fujitsu ) |
| | InfiniBand HCA 1 x 100 Gbit/s PCIe 3.0 x16 QSFP ( Mellanox ) |
| Communication, Network | InfiniBand HCA 1 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox ) |
| | InfiniBand HCA 1 x 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed ( Mellanox ) |
| | InfiniBand HCA 2 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox ) |
| Communication, Network | InfiniBand HCA 2 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox ) |
| | InfiniBand HCA 2 x 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed ( Mellanox ) |
| Rack infrastructure | Rack Mount Kit |
| | Cable Management for 19-inch DataCenter / PRIMECENTER Racks |
| | Cable Arm 2U for PRIMECENTER- and 3rd-party racks |

| | |
|---|---|
| Warranty | |
| Warranty period | 3 years |
| Warranty type | Onsite warranty |
| Product Support Services - the perfect extension | |
| Support Pack Options | Globally available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time (depending on country)<br>24x7, 4h Onsite Response Time (depending on country) |
| Recommended Service | 24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner. |
| Service Lifecycle | 5 years |
| Spare Parts availability | |
| Service Weblink | http://ts.fujitsu.com/Supportservice |

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY RX4770 M3, 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/products/computing/

Software
www.fujitsu.com/software/

## More information

Learn more about Fujitsu PRIMERGY RX4770 M3, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://www.fujitsu.com/global/products/computing/servers/primergy/rack/rx4770m3/

## Fujitsu green policy innovation

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