

# Data Sheet

## FUJITSU Server PRIMERGY RX4770 M2 Quad socket 4U rack server

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

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 data center. PRIMERGY RX servers deliver 20 years of development and production know-how resulting in extremely low failure rates below market average, and lead to continuous operations and outstanding hardware availability.

### PRIMERGY RX4770 M2

The FUJITSU Server PRIMERGY RX4770 M2 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 v3 product family with up to 72 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 M2 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 M2 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 M2 delivers state-of-the-art management capabilities with the new 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
<p><b>Rapidly analyze large data sets to gain real-time insights</b></p> <ul style="list-style-type: none"> <li>■ PRIMERGY RX4770 M2 increases the system performance over the previous generation using latest Intel® Xeon® E7 v3 product family with up to 72 cores</li> <li>■ 20 percent higher maximum core count and 20 percent more L3 cache (45 MB instead of 37.5 MB)</li> <li>■ Enormous memory capacity with up to 6TB (96 DIMM slots) on 8 configurable memory boards</li> <li>■ 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</li> </ul> <p><b>Enhanced business-critical x86 RAS features</b></p> <ul style="list-style-type: none"> <li>■ Built-in redundancy and hot-pluggable components, Advanced ECC and Memory Scrubbing</li> <li>■ 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</li> </ul> <p><b>Improved efficiency for business-critical services</b></p> <ul style="list-style-type: none"> <li>■ The PRIMERGY RX4770 M2 provides savings in operational expenses with scale-up consolidation efficiencies</li> <li>■ Comprehensive management covering the entire lifecycle of servers with a single integrated view of the IT infrastructure via Fujitsu Software ServerView Suite</li> <li>■ Local Service Display (LSD) and integrated, new Remote Management Controller (iRMC S4) as standard</li> <li>■ New power supply units with 80Plus Platinum (94 percent) energy-efficiency</li> </ul>	<ul style="list-style-type: none"> <li>■ The new generation of quad-socket PRIMERGY servers accelerates decision-making capabilities and thus shortens the time to business results</li> <li>■ New, faster memory technology over the preceding generation allows to implement large scale in-memory computing and virtualization scenarios</li> <li>■ Increased performance providing faster access to more data</li> </ul> <p>■ Business-critical RAS features lowering the risk for unplanned IT downtimes</p> <p>■ Enhanced set of features adds even more reliability, availability, and serviceability that customers need for running their business-critical applications</p> <p>■ Saves time and conserves valuable IT resources by simplifying remote management</p> <p>■ Integrated Remote Management Controller (iRMC S4) enables extensive monitoring and management of servers regardless of their system status – even at decentralized locations.</p> <p>■ 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</p> <p>■ Continuous reduction of power and cooling costs</p>

# Technical details

## PRIMERGY RX4770 M2

<b>Base unit</b>	PRIMERGY RX4770 M2
<b>Housing types</b>	Rack
<b>Product Type</b>	Quad Socket Rack Server
<b>Mainboard</b>	
<b>Mainboard type</b>	D 3349
<b>Chipset</b>	Intel® C114 Scalable Memory Buffer (Advanced) Intel® C602 J
<b>Processor quantity and type</b>	2 or 4 x Intel® Xeon® processor E7-4800 v3 product family / Intel® Xeon® processor E7-8800 v3 product family
<b>Processor</b>	Intel® Xeon® processor E7-4809v3 (8C/16T, 2.00 GHz, TLC: 20 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,866 MHz, 115 W) Intel® Xeon® processor E7-4820v3 (10C/20T, 1.90 GHz, TLC: 25 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,866 MHz, 115 W) Intel® Xeon® processor E7-4830v3 (12C/24T, 2.10 GHz, TLC: 30 MB, Turbo: 2.40 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W, AVX Base 1.80 GHz, AVX Turbo 2.40 GHz) Intel® Xeon® processor E7-4850v3 (14C/28T, 2.20 GHz, TLC: 35 MB, Turbo: 2.50 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 115 W, AVX Base 1.90 GHz, AVX Turbo 2.50 GHz) Intel® Xeon® processor E7-8860v3 (16C/32T, 2.20 GHz, TLC: 40 MB, Turbo: 2.60 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 140 W, AVX Base 1.90 GHz, AVX Turbo 2.60 GHz) Intel® Xeon® processor E7-8867v3 (16C/32T, 2.50 GHz, TLC: 45 MB, Turbo: 2.70 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 165 W, AVX Base 2.20 GHz, AVX Turbo 2.70 GHz) Intel® Xeon® processor E7-8870v3 (18C/36T, 2.10 GHz, TLC: 45 MB, Turbo: 2.50 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 140 W, AVX Base 1.80 GHz, AVX Turbo 2.50 GHz) Intel® Xeon® processor E7-8880v3 (18C/36T, 2.30 GHz, TLC: 45 MB, Turbo: 2.70 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 150 W, AVX Base 1.90 GHz, AVX Turbo 2.60 GHz) Intel® Xeon® processor E7-8890v3 (18C/36T, 2.50 GHz, TLC: 45 MB, Turbo: 2.90 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 165 W, AVX Base 2.10 GHz, AVX Turbo 2.60 GHz) Intel® Xeon® processor E7-8891v3 (10C/20T, 2.80 GHz, TLC: 45 MB, Turbo: 3.20 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 165 W, AVX Base 2.40 GHz, AVX Turbo 3.20 GHz) Intel® Xeon® processor E7-8893v3 (4C/8T, 3.20 GHz, TLC: 45 MB, Turbo: 3.30 GHz, 9.6 GT/s, Mem bus: 1,866 MHz, 140 W, AVX Base 2.80 GHz, AVX Turbo 3.20 GHz)
<b>Processor notes</b>	A minimum of 2 processors must be configured, no mix of different processor types
<b>Memory slots</b>	96 (distributed on 8 memory boards with 12 slots each)
<b>Memory slot type</b>	DIMM (DDR4)
<b>Memory capacity (min. - max.)</b>	16 GB - 6 TB
<b>Memory protection</b>	Advanced ECC Memory Scrubbing SDDC (Chipkill™) Memory Mirroring support Rank sparing memory support
<b>Memory notes</b>	Memory modules are installed on memory boards (12 DIMM slots per memory board) Two memory boards are preinstalled in base unit, further memory boards as option
<b>Memory options</b>	16 GB (2 module(s) 8 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 1Rx4 32 GB (2 module(s) 16 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 2Rx4 64 GB (2 module(s) 32 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133P, LRDIMM, 4Rx4 64 GB (2 module(s) 32 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 2Rx4 128 GB (2 module(s) 64 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133P, LRDIMM, 4Rx4
<b>Memory modules notes</b>	Memory modules will be delivered in set's of 2 DIMMs per order code. 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.
<b>Interfaces</b>	
<b>USB 2.0 ports</b>	5 x USB 2.0 (3 x front, 2 x rear, 1 x internal)
<b>Graphics (15-pin)</b>	2 x VGA (1 x front, 1 x rear)

**Interfaces**

Serial 1 (9-pin)	1 x RS-232-C
LAN / Ethernet	2 x 10 Gbit/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 10 Gbit/s Eth (RJ45). 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) IPMI 2.0 compatible
Trusted Platform Module (TPM)	optional TPM

**Slots**

PCI-Express 3.0 x8	9 x Full height 1/2 length
PCI-Express 3.0 x16	2 x ( / ) Full height
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
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 NMI button Reset button ID button
Status LEDs	Power (green) System status (green / orange) CSS (orange) Hard disks access (green) At system rear side: Identification (blue)
Service display	ServerView Local Service Display (LSD)

**BIOS**

BIOS features	ROM based setup utility Recovery BIOS BIOS settings save and restore Local BIOS update from USB device Online update tools for main Windows and Linux versions Local and remote update via ServerView Update Manager SMBIOS V2.4 Remote PXE boot support Remote iSCSI boot support
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### Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software	Microsoft® Hyper-V Server 2012 R2
	Microsoft® Windows Server® 2012 R2 Datacenter
	Microsoft® Windows Server® 2012 R2 Standard
	Microsoft® Hyper-V Server 2012
	Microsoft® Windows Server® 2012 Datacenter
	Microsoft® Windows Server® 2012 Standard
	Microsoft® Hyper-V™ Server 2008 R2
	Microsoft® Windows Server® 2008 R2 Datacenter
	Microsoft® Windows Server® 2008 R2 Enterprise
	Microsoft® Windows Server® 2008 R2 Standard
	VMware vSphere™ 6.0
	VMware vSphere™ 5.5
	SUSE® Linux Enterprise Server 12
	SUSE® Linux Enterprise Server 11
	Red Hat® Enterprise Linux 7
	Red Hat® Enterprise Linux 6
	Citrix® XenServer®
Oracle® Linux 7	
Oracle® Linux 6	
Oracle® VM 3	
Operating system release link	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473</a>
Operating system notes	Support of other Linux derivatives on demand

### Server Management

Standard	<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 in combination with Intel® Node Manager)</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> <li>Deployment Solutions and others</li> </ul>
Option	<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>
Server 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

<b>Dimensions / Weight</b>	
19" rackmount	Yes
Mounting Cable depth rack	100 mm (1,000 mm Rack recommended)
Weight	max. 46 kg
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit as option
<b>Environment</b>	
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. For detailed information see relevant system configurator.
Operating relative humidity	10 - 85 % (non condensing)
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	<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>
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 Noise emissions depends on operation modes, system configuration and ambient temperature.
<b>Electrical values</b>	
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
Rated current max.	28.2 A / 11 A
Heat emission	7164.0 kJ/h (6790.2 BTU/h)
Power supply	1200W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 1600W hot-plug, 94% (Platinum efficiency), 200-240V, 50 / 60Hz
<b>Compliance</b>	
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic equipment)
Europe	CE
USA/Canada	CSAc/us FCC Class A
Japan	VCCI
Taiwan	BSMI
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. * Warning: 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

<b>Optical drives</b>	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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**Hard disk drives**

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, 450 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise  
HDD SAS, 12 Gb/s, 450 GB, 10,000 rpm, 512e, 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  
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, 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, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
HDD SAS, 6 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  
HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical

**Solid-State-Drive**

SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SATA, 6 Gb/s, 800 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)  
SSD SATA, 6 Gb/s, 480 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)  
SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SATA, 6 Gb/s, 240 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)  
SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SATA, 6 Gb/s, 120 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)  
SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
SSD SAS, 12 Gb/s, 1.6 TB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise  
PCIe-SSD SFF, 800 GB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day)  
PCIe-SSD SFF, 1.6 TB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day)  
PCIe-SSD AIC, 5.2 TB, MLC, Standard Height, Half-Length, Flash drive, 6.7 DWPD (drive writes per day)  
PCIe-SSD AIC, 2.6 TB, MLC, Low Profile, Flash drive, 6.7 DWPD (drive writes per day)  
PCIe-SSD AIC, 1.3 TB, MLC, Low Profile, Flash drive, 6.7 DWPD (drive writes per day)

**SCSI / SAS Controller**

SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8

**RAID Controller**

RAID Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID CP400i, 8 ports int. RAID level: 0, 1, 1E, 10, 5, 50 No BBU support  
RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID EP420i, 8 ports int.  
RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108  
RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID EP400i, 8 ports int.  
RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108

<b>Fibre Channel controller</b>	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 Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Emulex LPe16000B LC-style Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Emulex LPe16002B 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
<b>Communication, Network</b>	Converged Network Adapter 1 x 40 Gbit/s PCIe 3.0 x8 QSFP+ for DynamicLoM ( Emulex ) Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.0 x8 SFP+ ( Fujitsu ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 RJ45 ( Intel® ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex ) 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 40 Gbit/s PCIe 3.0 x8 QSFP ( 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 1 x PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox ) InfiniBand HCA 2 x 40 Gbit/s PCIe 3.0 x8 QSFP ( 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 ) InfiniBand HCA 2 x PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox )
<b>Rack infrastructure</b>	Rack Mount Kit Cable Management for 19-inch DataCenter / PRIMECENTER Racks Cable Arm 2U for PRIMECENTER- and 3rd-party racks
<b>Warranty</b>	
<b>Warranty period</b>	3 years
<b>Warranty type</b>	Onsite warranty
<b>Warranty Terms &amp; Conditions</b>	<a href="http://www.fujitsu.com/support">www.fujitsu.com/support</a>
<b>Product Support Services - the perfect extension</b>	
<b>Support Pack Options</b>	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
<b>Recommended Service</b>	24x7 Onsite Service with 4h Onsite Response Time
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/products/product-support-services/">http://www.fujitsu.com/fts/products/product-support-services/</a>



## More information

### Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY RX4770 M2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

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.

### Computing Products

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

### Software

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

### More information

Learn more about Fujitsu PRIMERGY RX4770 M2, 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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FUJITSU LIMITED

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