Data Sheet
Fujitsu PRIMERGY RX4770 M7 Rack Server

Backend Infrastructure Powering Digital Transformation

Fujitsu offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. Fujitsu PRIMERGY servers deliver workload-optimized x86 industry standard systems for any workload and business demand. Since there is no single server solution to meet all these needs, Fujitsu offers a broad server portfolio consisting of expandable tower servers, versatile rack-mount servers, density-optimized multi-node servers as well as GPU servers purpose-built for the demands of AI and VDI. While all these systems are designed to handle multiple workloads, each server is optimized for specific use cases. Whatever the size of your business – large enterprise with multiple sites, or a small or medium-sized company with limited space and budget – with the right choice of server, your IT can become the business enabler you have always wanted it to be.

PRIMERGY RX4770 M7
The Fujitsu PRIMERGY RX4770 M7 server is a quad-socket x86 system providing superior levels of scalability in a 3U chassis. The PRIMERGY RX4770 M7 accelerates business insights and delivers unprecedented performance for in-memory database, AI solutions, Cloud services and data analytics. Powered by the 4th generation Intel® Xeon® Scalable Processors with up to 60 cores/CPU and large memory capacity provided by 64 DIMM slots in total supporting 16 TB memory, the server delivers outstanding results for demanding applications. The latest DDR5 DIMM modules with memory speeds up to 4,800 MT/s provide fast and large memory capacity. The RX4770 M7 stands for versatile resources that help to cope with changing business demands. Up 24x 2.5” SAS/SATA/NVMe options provide enormous capacity to handle storage demanding applications. The possibility of using up to two double width, full-length GPU cards helps to accelerate data-intensive analytics and 10 PCI-Express 5.0 slots increase bandwidth and provides sufficient expandability for even faster business insights. Even as your workloads and administration tasks become more complex, the Fujitsu Infrastructure Manager (ISM) as well as the integrated Remote Management Controller (iRMC S6) simplify management of your server and the IT infrastructure so you can focus on your business objectives. ISM enables organizations to have centralized control over the infrastructure which includes servers, storage and networking using a single user interface. Further enhanced integrated security features and proven reliability help to ensure maximum uptime in your enterprise data center. The PRIMERGY RX4770 M7 is the ideal server for business-critical workloads, AI, large-scale virtualization, back-end and in-memory databases such as SAP S/4HANA and general data-intensive applications where the right performance, reliability and efficiency are essential.
Features & Benefits

<table>
<thead>
<tr>
<th>Main Features</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td><strong>POWER YOUR BUSINESS-CRITICAL WORKLOADS</strong></td>
<td><strong>PRIMERGY RX4770 M7 server provides 4 socket computing in a 3U form factor, accelerates business insights and delivers maximum performance per node with highest memory bandwidth and IO lanes for your most demanding applications. Moreover, a flexible processor tray allows to start with two CPU's and scale to four processors in the future saving on upfront costs.</strong></td>
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<tr>
<td>Wide choice of different available types of 4th Generation Intel® Xeon® Scalable processors. Each processor offers up to 60 cores, 8 memory channels, up to 3 Intel® Ultra Path Interconnect (Intel® UPI 2.0) and 10x PCI-Express 5.0 with up to 48 lanes (per socket) enabling a significantly higher performance and efficiency.</td>
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<tr>
<td><strong>SCALABLE APPLICATION PERFORMANCE</strong></td>
<td><strong>Address large data sets with up to 64 DIMMs and up to 16 TB of memory. New DDR5 DIMM memory provide fast (up to 4800 MT/s), high capacity memory for memory intensive workloads such as AI and data analytics.</strong></td>
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<td>New DDR5 RDIMM memory with up to 4800 MT/s improves workload performance and power efficiency while reducing data loss and downtime. In total, up to 16 TB main memory is available.</td>
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<tr>
<td><strong>FLEXIBLE EXPANDABILITY AND RELIABILITY</strong></td>
<td><strong>The flexible drive cage design supports up to 24x 2.5” SAS/SATA/NVMe storage drives. Sufficient expandability for future requirements is guaranteed by PCIe 5.0 expansion slots for graphical processing units (GPUs) and all kinds of networking cards offering increased I/O bandwidth and to be able to cope with graphic-intensive applications. Choice of DynamicLoM adapters offers range of networking bandwidth (1GbE to 25GbE) to be able to adapt and grow to changing business needs.</strong></td>
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<td>PRIMERGY RX4770 M7 comes with OCP v3 LAN options as well as flexible PCIe riser cards with support for up to 10 x PCIe 4.0/5.0 slots. Different available base units with 8x 2.5-inch, 16x 2.5-inch or up to 24x 2.5-inch storage drive bays provide massive expandability. In addition, it is possible to equip the system with up to 2 double width full length GPU cards. Built-in redundancy and hot-pluggable components, Advanced ECC, Memory Scrubbing and SDDC ensure reliable and fail-safe operation.</td>
<td></td>
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<tr>
<td><strong>SECURE AND RELIABLE</strong></td>
<td><strong>The integrated Platform Firmware Resilience (PFR) feature provides a platform root of trust and thus helps to protect platform firmware, detect corruptions, and restore back to a known-good state.</strong></td>
</tr>
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<td>PRIMERGY servers are equipped with beneficial features to protect against, detect and recover from security breaches (PFR, UEFI Secure Boot, TPM 2.0, signed firmware updates, agent-free device management, secure authorization and authentication, alerting and logging, secure Out of Band Management with iRMC S6, …).</td>
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<tr>
<td><strong>AGILE INFRASTRUCTURE MANAGEMENT</strong></td>
<td><strong>Infrastructure Manager (ISM) enables organizations to have centralized control over the e data center infrastrucutre that includes servers, storage, networking, cloud management software as well as power and cooling using a single user interface.</strong></td>
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<tr>
<td>Infrastructure Manager (ISM) provides seamless, holistic management ensuring that IT infrastructures retain the dynamic flexibility required to support ever-changing business demands. Two versions of ISM are available. ISM Advanced is a powerful, fully featured version offering comprehensive infrastructure management capabilities such as support for multiple hardware configurations, physical and virtual network connection indicators and firmware baseline updates. A free entry-level version, ISM Essential, provides essential monitoring and firmware update of all supported devices, including servers, storage and network switches.</td>
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</table>
## Technical details

**PRIMERGY RX4770 M7**

<table>
<thead>
<tr>
<th>Base unit</th>
<th>PRIMERGY RX4770 M7</th>
<th>PRIMERGY RX4770 M7</th>
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<tbody>
<tr>
<td>Housing types</td>
<td>Rack</td>
<td>Rack</td>
<td>Rack</td>
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<tr>
<td>Storage drive architecture</td>
<td>8x 2.5-inch SAS/SATA/PCIe expandable</td>
<td>8x 2.5-inch SAS/SATA/PCIe expandable</td>
<td>24x 2.5-inch SAS/SATA/PCIe</td>
</tr>
<tr>
<td>Power supply</td>
<td>Hot-plug</td>
<td>Hot-plug</td>
<td>Hot-plug</td>
</tr>
<tr>
<td>Product Type</td>
<td>Quad Socket Rack Server</td>
<td>Quad Socket Rack Server</td>
<td>Quad Socket Rack Server</td>
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</table>

### Mainboard

- **Mainboard type**: D3984
- **Chipset**: Intel® C741
- **Processor quantity and type**: 2 or 4 x Intel® Xeon® Gold 6xxx processor / Intel® Xeon® Platinum 8xxx processor

#### Intel® Xeon® Gold Processor

- Intel® Xeon® Gold 6416H (18C, 2.2 GHz, TLC: 45 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4,800MHz, 165 W)
- Intel® Xeon® Gold 6418H (24C, 2.1 GHz, TLC: 60 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4,800MHz, 185 W)
- Intel® Xeon® Gold 6434H (8C, 3.7 GHz, TLC: 22.5 MB, Turbo: 4.10 GHz, 16 GT/s, Mem bus: 4,800MHz, 195 W)
- Intel® Xeon® Gold 6448H (32C, 2.4 GHz, TLC: 32.0 GHz, 16 GT/s, Mem bus: 4,800MHz, 250 W)

#### Intel® Xeon® Platinum Processor

- Intel® Xeon® Platinum 8444H (16C, 2.9 GHz, TLC: 45 MB, Turbo: 3.20 GHz, 16 GT/s, Mem bus: 4,800MHz, 270 W)
- Intel® Xeon® Platinum 8450H (28C, 2.0 GHz, TLC: 75 MB, Turbo: 2.60 GHz, 16 GT/s, Mem bus: 4,800MHz, 250 W)
- Intel® Xeon® Platinum 8454H (32C, 2.1 GHz, TLC: 82.5 MB, Turbo: 2.70 GHz, 16 GT/s, Mem bus: 4,800MHz, 270 W)
- Intel® Xeon® Platinum 8460H (40C, 2.2 GHz, TLC: 105 MB, Turbo: 3.10 GHz, 16 GT/s, Mem bus: 4,800MHz, 330 W)
- Intel® Xeon® Platinum 8468H (48C, 2.1 GHz, TLC: 112.5 MB, Turbo: 3.00 GHz, 16 GT/s, Mem bus: 4,800MHz, 330 W)
- Intel® Xeon® Platinum 8490H (60C, 1.9 GHz, TLC: 122.5 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4,800MHz, 350 W)

#### Processor notes

- A minimum of 2 processors must be configured, no mix of different processor types

### Memory

- **Memory slots**: 64 (16 DIMMs per CPU, 8 channels with 2 slots per channel)
- **Memory slot type**: DIMM (DDR5)
- **Memory capacity (min. - max.)**: 16 GB - 16 TB
- **Memory protection**: ECC
- **Memory scrubbing**: SDDC
- **Memory Mirroring support**: ADDDC (Adaptive Double DRAM Device Correction)

#### Standard memory modules

- 128 GB (1 module(s) 128 GB) DDR5, registered, ECC, 4,800 MT/s, PCS-4800, DIMM, 4Rx4
- 16 GB (1 module(s) 16 GB) DDR5, registered, ECC, 4,800 MT/s, PCS-4800, DIMM, 1Rx8
- 256 GB (1 module(s) 256 GB) DDR5, registered, ECC, 4,800 MT/s, PCS-4800, DIMM, 8Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PCS-4800, DIMM, 1Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PCS-4800, DIMM, 2Rx8
- 64 GB (1 module(s) 64 GB) DDR5, registered, ECC, 4,800 MT/s, PCS-4800, DIMM, 2Rx4

### Interfaces

- **USB 3.x ports**: 5 x USB 3.1 Gen1(USB3.0) (2x front, 2x rear, 1x internal)
- **Graphics (15-pin)**: 1 x VGA (1 x rear, 1 x front) (Optional)
- **Serial 1 (9-pin)**: 1 x Optional serial RS-232-C(9pin)(Optional, not shown)
- **Management LAN (RJ45)**: 1 x dedicated management LAN port for iRMC S6 (10/100/1000 Mbit/s)

### Onboard or integrated Controller

- **RAID controller**: All hardware storage controller options are described under Components
- **SATA Controller**: Intel® C741, 1x SATA channel for ODD, 2x SATA channel for M.2 and 8x SATA channel for HDD/SSD
| **Onboard or integrated Controller** | **LAN Controller** Dynamic LoM via OCP slot; OCPv3 compliant  
Optional OCP adaptors:  
4 x 1 Gbit/s Ethernet (RJ45)  
2 x 10 Gbit/s Ethernet (RJ45)  
4 x 10 Gbit/s Ethernet (RJ45)  
2 x 10 Gbit/s SFP+  
4 x 10 Gbit/s SFP+  
2 x 25 Gbit/s SFP28  
4 x 25 Gbit/s SFP28  
2x 100 Gbit/s QSFP28  
All LAN controllers (for OCP slots and PCIe slots) are described under Components.  
For details, please refer to the relevant system configuration guide. |  
| **Remote management controller** Integrated Remote Management Controller (iRMC S6, 1024 MB attached memory incl. graphics controller)  
IPMI 2.0 compatible |  
| **GPU / coprocessor** NVIDIA® H100 |  
| **Trusted Platform Module (TPM)** Infineon / TPM 2.0 module; TCG compliant (option) |  
| **Slots** | PCI-Express 5.0 x8 2 x FH  
PCI-Express 5.0 x16 8 x Full height Refer to Slot Notes  
PCI-Express 4.0 x16 4 x Full height Refer to Slot Notes. |  
| **Slot Notes** 6 PCIe slots are supported with the first and second processor. Additional 4 PCIe slots are supported with the third and forth processors.  
Slot 1&2: PCIe 4.0 or 5.0 x16 @CPU3 for full height profile cards  
Slot 3&4: PCIe 5.0 x16 @CPU1 for low profile cards  
Slot 5&7 PCIe 5.0 x16 / Slot 6&8 5.0 x8 @CPU2 for low profile cards  
Slot 9&10: PCIe 4.0 or 5.0 x16 @CPU4 for full height cards |  
| **Drive bays** | Storage drive bays 2.5-inch hot-plug SAS/SATA/PCIe  
2 x M.2 slots |  
| **Notes accessible drives** All possible options described in relevant system configurator. |  
| **Optional accessible drives** 1 x 5.25/9.5mm for DVD-RW/Blu-ray |  
| **Drive bays (Base unit specific)** | Storage drive bays 8 x 2.5-inch hot-plug SAS/SATA/PCIe  
8 x 2.5-inch hot-plug SAS/SATA/PCIe  
24 x 2.5-inch hot-plug SAS/SATA/PCIe |  
| **Storage drive bay configuration** Optional expandable up to 16 storage drives | Optional expandable up to 16 storage drives |  
| **General system information** |  
Number of fans 4  
Fan configuration hot-plug |  
| **Operating buttons** | On/off switch  
NMI button  
Reset button  
ID button |  
| **Status LEDs** At system front side:  
Power (DC-On: green / AC-On: white)  
Global error (orange)  
Identification (blue)  
Hard disks access (green)  
CSS (orange)  
At system rear side:  
System status (green)  
CSS (orange)  
Identification (blue)  
Global error (orange)  
LAN connection (green)  
LAN speed (green / yellow) |
BIOS

BIOS features
- UEFI compliant
- Secure boot support
- ROM based setup utility
- GPT support for boot drives larger than 2.2 TB
- Memory Redundancy support (Mirroring)
- IPMI support
- Recovery BIOS
- BIOS settings save and restore
- Local BIOS update from USB device
- Online update tools for main Linux versions
- Local and remote update via ServerView Update Manager
- IPv4/IPv6 remote PXE & iSCSI boot support
- Cryptographically Signed BIOS Firmware Update
- HTTP and HTTPS Boot
- PCIe Bifurcation configurable

Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software
- Windows Server 2022 Datacenter
- Windows Server 2022 Standard
- Windows Server 2019 Datacenter
- Windows Server 2019 Standard
- VMware vSphere™ 8.0
- VMware vSphere™ 7.0
- SUSE® Linux Enterprise Server 15
- Red Hat® Enterprise Linux 8

Operating system release link

Operating system notes
Support of other Linux derivatives on demand
Use of certified or supported operating systems and virtualization software is subject to proactive acceptance of the respective License Agreements/ EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.

Infrastructure and Server Management

DC Infrastructure Management
- Infrastructure Manager (ISM)
  - Essential Edition
  - Advanced Edition

Server Management
- ServerView Agentless Service (SVAS)
- ServerView ESXi CIM Provider
- ServerView Installation Manager (SVIM)
- ServerView Update Manager Express (UME)

Management notes
For further information regarding ISM see dedicated data sheets.

Manageability link
http://docs.ts.fujitsu.com/dl.aspx?id=9e92297a-16fb-4c69-8559-e38e7b42fee6

Dimensions / Weight

Rack (W x D x H)
- 482.6 mm (Bezel) / 435 mm (Body) x 800 x 129.4 mm

Mounting Depth Rack
- 830.6 mm

Height Unit Rack
- 3 U

19" rackmount
- Yes

Weight
- max. 40 kg

Weight notes
Actual weight may vary depending on configuration

Rack integration kit
- Rack integration kit as option

Environment

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
- 8 - 85 % (non condensing)

Operating environment
- FTS 04230 – Guideline for Data Center (installation specification)

Operating environment link
## Environment

<table>
<thead>
<tr>
<th>Noise emission</th>
<th>Measured according to ISO 7779 and declared according to ISO 9296</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound pressure (LpAm)</td>
<td>40.6 dB(A) (idle) / 47.7 dB(A) (operating) typical Values</td>
</tr>
<tr>
<td>Sound power (LWA; 1B = 10dB)</td>
<td>6.0 B (idle) / 6.6 B (operating) typical Values</td>
</tr>
<tr>
<td>Noise notes</td>
<td>Noise emissions depends on operation modes, system configuration and ambient temperature. Operating mode measured based on OLTIS with 50% load. *OLTIS = FUJITSU Load Profile which stresses all components of a server with a given load level.</td>
</tr>
</tbody>
</table>

## Environmental (Base unit specific)

<table>
<thead>
<tr>
<th>Operating ambient temperature</th>
<th>5 - 45 °C</th>
</tr>
</thead>
</table>

## Electrical values

<table>
<thead>
<tr>
<th>Power supply configuration</th>
<th>3 hot-plug power supplies (standard)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot-plug power supply redundancy</td>
<td>Optional</td>
</tr>
<tr>
<td>Active power (max. configuration)</td>
<td>3,700 W</td>
</tr>
<tr>
<td>Apparent power (max. configuration)</td>
<td>3775 VA</td>
</tr>
<tr>
<td>Heat emission (max. configuration)</td>
<td>13320.0 kJ/h (12624.9 BTU/h)</td>
</tr>
<tr>
<td>Rated current max.</td>
<td>12A (100 V) / 15A (230 V)</td>
</tr>
<tr>
<td>Active power note</td>
<td>To estimate the power consumption of different configurations use the Fujitsu Product Configurator: <a href="http://www.fujitsu.com/configurator/public">www.fujitsu.com/configurator/public</a></td>
</tr>
<tr>
<td>Power supply</td>
<td>1600W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 100V range: 1030W</td>
</tr>
<tr>
<td></td>
<td>1600W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz</td>
</tr>
<tr>
<td></td>
<td>2200W hot-plug, 94% (Platinum efficiency), 200-240V, 50 / 60Hz</td>
</tr>
<tr>
<td></td>
<td>2400W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz</td>
</tr>
<tr>
<td>Power supply notes</td>
<td>Power Safeguard adapts system performance in case the power requirements exceeds supply limits. Platinum PSUs are only for APAC/Japan market.</td>
</tr>
</tbody>
</table>

## Compliance

**Product**
PRIMERGY RX4770 M7

**Model**
PS4770B

**Global**
CB
RoHS (Substance limitations in accordance with global RoHS regulations)
WEEE (Waste electrical and electronical equipment)

**Europe**
CE

**USA/Canada**
NRTLc/us
FCC Class A
ICES-003 / NMB-003 Class A

**Japan**
VCCI Class A + JIS 61000-3-2

**South Korea**
KC

**Australia/New Zealand**
RCM

**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.

* 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

### Optical drives

Blu-ray Disc™ Triple Writer, (6x BD-RW, 8x DVD, 24x CD), ultraslim, SATA I

DVD Super Multi ultra slim, (8x DVD; 24x CD), ultraslim, SATA I
**HDD 2.5-inch**

- HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical
- HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical
- HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, 512n, 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, 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, 2.4 TB, 10,000 rpm, 512e, 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, 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

**SSD SAS 2.5-inch**

- SSD SAS, 22.5Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
- SSD SAS, 22.5Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
- SSD SAS, 22.5Gb/s, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
- SSD SAS, 22.5Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
- SSD SAS, 22.5Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 22.5Gb/s, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
- SSD SAS, 22.5Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
- SSD SAS, 22.5Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 22.5Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
- SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
- SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 22.5Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
- SSD SAS, 22.5Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
- SSD SAS, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
- SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
- SSD SAS, 12 Gb/s, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 12 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 12 Gb/s, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
- SSD SAS, 12 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 12 Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
- SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
- SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
- SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD

**PCIe SSD & SATA DOM SSD**

- PCIe-SSD SFF, 960 GB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 800 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD
- PCIe-SSD SFF, 400 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD
- PCIe-SSD SFF, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 12.8 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
- PCIe-SSD SFF, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
- PCIe-SSD SFF, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
- PCIe-SSD SFF, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD
- PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD

**SCSI / SAS Controller**

- PSAS CP 2100-8I LP SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8
- Broadcom® PSAS CP600e LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
- Broadcom® PSAS CP600e FH SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
### RAID Controller

Fujitsu PRAID EP680i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PcLe 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 6, 60, 8 GB, Optional FBU based on LSI SAS3916

Fujitsu PRAID EP680e LP, RAID 5/6 Ctrl., SAS 12 Gbit/s, 8 ports ext. RAID level: 0, 1, 10, 5, 6, 60, 8 GB, Optional FBU based on LSI SAS3916

Fujitsu PRAID EP680e FH, RAID 5/6 Ctrl., SAS 12 Gbit/s, 8 ports ext. RAID level: 0, 1, 10, 5, 6, 60, 8 GB, Optional FBU based on LSI SAS3916

Fujitsu PRAID EP640i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 6, 60, 8 GB, Optional FBU based on LSI SAS3908

Fujitsu PRAID EP 3258-16i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, NVMe-PcLe 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 6, 60, 8 GB, Optional FBU

Fujitsu PRAID EP 3254-8i LP, RAID 5/6 Ctrl., SAS 12 Gbit/s, 8 ports ext. RAID level: 0, 1, 10, 5, 6, 60, 8 GB, Optional FBU

Fujitsu PRAID EP 3252-8i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 6, 60, 2 GB, Optional FBU

Broadcom® PRAID CP600i LP, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, No FBU support

### Fibre Channel controller

Fibre Channel Host Bus Adapter 1 x Qlogic QLE2770-FJ-BK LC-style

Fibre Channel Host Bus Adapter 2 x Qlogic QLE2772-FJ-BK LC-style

Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Emulex LPE35000-M2-F MMF LC-style

Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Emulex LPE35002-M2-F MMF LC-style

Fibre Channel Host Bus Adapter 1 x Qlogic QLE2870-FJ-BK MMF LC-style

Fibre Channel Host Bus Adapter 2 x Qlogic QLE2872-FJ-BK MMF LC-style

Fibre Channel Host Bus Adapter 1 x Emulex LPE36000-M64-F MMF LC-style

Fibre Channel Host Bus Adapter 2 x Emulex LPE36002-M64-F MMF LC-style

Fibre Channel Host Bus Adapter 1 x Emulex LPE36000-M64-F MMF LC-style

Fibre Channel Host Bus Adapter 2 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

InfiniBand HCA 1 x 200Gb/s PCIe x16 QSFP for the US market max. one IB HCA 200Gb controller can be installed (Mellanox)

### GPU computing card

NVIDIA® A100 80GB, 6912 cores, 1935GB/s, 80GB HBM2e, N/A, PCIe 4.0 x16

NVIDIA® H100, 2TB/s, 80GB HBM3, N/A, PCIe x16

NVIDIA® A40, 48 GB, 696 GB/s, 48GB GDDR6, N/A, PCIe 4.0 x16

NVIDIA® RTX™ A6000, 48 GB, 786 GB/s, 48 GB GDDR6, N/A, PCIe 4.0 x16, 4 x DisplayPort

NVIDIA® A16, 64 GB, 800GB/s (4 x200GB/s), 64GB GDDR6 (4 x16GB), N/A, PCIe 4.0 x16

NVIDIA® A30, 933GB/s, 24GB HBM2, N/A, PCIe 4.0 x16

NVIDIA® RTX™ A4500, 640 GB/s, 20GB GDDR6, N/A, PCIe 4.0 x16, 4 x DisplayPort

NVIDIA® A2, 200GB/s, 16GB GDDR6, N/A, PCIe 4.0 x8

-, xxxGB/s, 24GB GDDR6, N/A, PCIe 4.0 x16

-, 48 GB, 864 GB/s, 48GB GDDR6, N/A, PCIe 4.0 x16

NVIDIA® T400 4GB, 4GB, 864 cores, 4GB, N/A, PCIe x16, 3 x miniDP

### Rack infrastructure

Cable Arm 2U for PRIMECENTER- and 3rd-party racks

Rackmount kit full extraction (870mm), tool less mounting for general use, length variable 559-890mm. If consider to shipment with Rack and earthquake, suggest to fix RMK with security screw.

### Warranty

Warranty period 3 years

Warranty type Onsite warranty


Product Support - the perfect extension
## Warranty

<table>
<thead>
<tr>
<th>Support Pack Options</th>
<th>Globally available in major metropolitan areas:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9x5, Next Business Day Onsite Response Time</td>
</tr>
<tr>
<td></td>
<td>9x5, 4h Onsite Response Time (depending on country)</td>
</tr>
<tr>
<td></td>
<td>24x7, 4h Onsite Response Time (depending on country)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recommended Service</th>
<th>24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Lifecycle</td>
<td>at least 5 years after shipment, for details see <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a></td>
</tr>
</tbody>
</table>
More information

Fujitsu products, solutions & services
In addition to Fujitsu PRIMERGY RX4770 M7, 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/

Software
www.fujitsu.com/software/

More information
Learn more about Fujitsu PRIMERGY RX4770 M7, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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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