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

## Main Features

<table>
<thead>
<tr>
<th>Features &amp; Benefits</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER YOUR BUSINESS-CRITICAL WORKLOADS</strong></td>
<td>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 CPUs and scale to four processors in the future saving on upfront costs.</td>
</tr>
<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>
<td></td>
</tr>
<tr>
<td><strong>SCALABLE APPLICATION PERFORMANCE</strong></td>
<td>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.</td>
</tr>
<tr>
<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>
<td></td>
</tr>
<tr>
<td><strong>FLEXIBLE EXPANDABILITY AND RELIABILITY</strong></td>
<td>The flexible drive cage design supports up to 24x 2.5&quot; 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.</td>
</tr>
<tr>
<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>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.</td>
</tr>
<tr>
<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>
<td>Infrastructure Manager (ISM) enables organizations to have centralized control over the e data center infrastructure that includes servers, storage, networking, cloud management software as well as power and cooling using a single user interface.</td>
</tr>
<tr>
<td><strong>SECURE AND RELIABLE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGILE INFRASTRUCTURE MANAGEMENT</strong></td>
<td></td>
</tr>
<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>
<td></td>
</tr>
</tbody>
</table>
Technical details

**PRIMERGY RX4770 M7**

<table>
<thead>
<tr>
<th>Base unit</th>
<th>PRIMERGY RX4770 M7</th>
<th>PRIMERGY RX4770 M7</th>
<th>PRIMERGY RX4770 M7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing types</td>
<td>Rack</td>
<td>Rack</td>
<td>Rack</td>
</tr>
<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>
</tr>
</tbody>
</table>

**Mainboard**

<table>
<thead>
<tr>
<th>Mainboard type</th>
<th>D3984</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chipset</td>
<td>Intel® C741</td>
</tr>
<tr>
<td>Processor quantity and type</td>
<td>2 or 4 x Intel® Xeon® Gold 6xxx processor / Intel® Xeon® Platinum 8xxx processor</td>
</tr>
</tbody>
</table>

**Intel® Xeon® Gold Processor**

- Intel® Xeon® Gold 6146H (18C, 2.2 GHz, TLC: 45 MB, Turbo: 2.90 GHz, 16 GT/s, 4,800MHz, 165 W)
- Intel® Xeon® Gold 6148H (24C, 2.1 GHz, TLC: 60 MB, Turbo: 2.90 GHz, 16 GT/s, 4,800MHz, 185 W)
- Intel® Xeon® Gold 6434H (8C, 3.7 GHz, TLC: 22.5 MB, Turbo: 4.10 GHz, 16 GT/s, 4,800MHz, 195 W)
- Intel® Xeon® Gold 6448H (32 C, 2.4 GHz, TLC: 60 MB, Turbo: 3.20 GHz, 16 GT/s, 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, 4,800MHz, 270 W)
- Intel® Xeon® Platinum 8450H (28C, 2.0 GHz, TLC: 75 MB, Turbo: 2.60 GHz, 16 GT/s, 4,800MHz, 250 W)
- Intel® Xeon® Platinum 8454H (32 C, 2.1 GHz, TLC: 82.5 MB, Turbo: 2.70 GHz, 16 GT/s, 4,800MHz, 270 W)
- Intel® Xeon® Platinum 8460H (40C, 2.2 GHz, TLC: 105 MB, Turbo: 3.10 GHz, 16 GT/s, 4,800MHz, 330 W)
- Intel® Xeon® Platinum 8468H (48C, 2.1 GHz, TLC: 105 MB, Turbo: 3.00 GHz, 16 GT/s, 4,800MHz, 330 W)
- Intel® Xeon® Platinum 8490H (60C, 1.9 GHz, TLC: 112.5 MB, Turbo: 2.90 GHz, 16 GT/s, 4,800MHz, 350 W)

**Processor notes**

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

**Memory slots**

64 (16 DIMMs per CPU, 8 channels with 2 slots per channel)

**Memory slot type**

DIMM (DDRS)

**Memory capacity (min. - max.)**

16 GB - 16 TB

**Memory protection**

ECC

Memory Scrubbing

SDDC

ADDDC (Adaptive Double DRAM Device Correction)

Memory Mirroring support

**Standard memory modules**

- 128 GB (1 module(s) 128 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 4Rx4
- 16 GB (1 module(s) 16 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 1Rx8
- 256 GB (1 module(s) 256 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 8Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 1Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 2Rx8
- 64 GB (1 module(s) 64 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 2Rx4
- 96 GB (1 module(s) 96 GB) DDR5, registered, ECC, 5,600 MT/s, PC5-44800, 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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LAN Controller</strong></td>
<td>Dynamic LoM via OCP slot; OCPv3 compliant</td>
</tr>
<tr>
<td>Optional OCP adaptors:</td>
<td></td>
</tr>
<tr>
<td>4 x 1 Gbit/s Ethernet (RJ45)</td>
<td></td>
</tr>
<tr>
<td>2 x 10 Gbit/s Ethernet (RJ45)</td>
<td></td>
</tr>
<tr>
<td>4 x 10 Gbit/s Ethernet (RJ45)</td>
<td></td>
</tr>
<tr>
<td>2 x 10 Gbit/s SFP+</td>
<td></td>
</tr>
<tr>
<td>4 x 10 Gbit/s SFP+</td>
<td></td>
</tr>
<tr>
<td>2 x 25 Gbit/s SFP28</td>
<td></td>
</tr>
<tr>
<td>4 x 25 Gbit/s SFP28</td>
<td></td>
</tr>
<tr>
<td>2 x 100 Gbit/s QSFP28</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCI-Express 5.0 x8</td>
<td>2 x FH</td>
</tr>
<tr>
<td>PCI-Express 5.0 x16</td>
<td>8 x Full height Refer to Slot Notes</td>
</tr>
<tr>
<td>PCI-Express 4.0 x16</td>
<td>4 x Full height Refer to Slot Notes.</td>
</tr>
</tbody>
</table>

### Drive bays

- Storage drive bays: 2.5-inch hot-plug SAS/SATA/PCIe
- 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

### General system information

- Number of fans: 4
- Fan configuration: hot-plug

### Operating panel

- 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
**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
## 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, 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**
- **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, 800 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 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**
<table>
<thead>
<tr>
<th>SSD SATA 2.5-inch</th>
<th>SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.5 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HDD 2.5-inch</th>
<th>HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise</td>
</tr>
<tr>
<td></td>
<td>HDD SAS, 12 Gb/s, 7.68 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise</td>
</tr>
<tr>
<td></td>
<td>HDD SAS, 12 Gb/s, 1.92 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise</td>
</tr>
<tr>
<td></td>
<td>HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PCIe SSD &amp; SATA DOM SSD</th>
<th>PCIe-SSD SFF, 800 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PCIe-SSD SFF, 400 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 12.8 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD</td>
</tr>
<tr>
<td></td>
<td>PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD</td>
</tr>
</tbody>
</table>
### SED
- SSD SAS, 22.5Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
- 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, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
- SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
- SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
- SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
- HDD SAS, 12 Gb/s, 600 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, SED
- HDD SAS, 12 Gb/s, 2.4 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, SED
- HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED

### SCSI / SAS Controller
- PSAS CP 2100-8i LP SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8
- Fujitsu PSAS CP 2200-16i LP Host Bus Adapter 24 Gbit/s 16 GT/s 16 ports int.
- Broadcom® PSAS CP600i LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
- Broadcom® PSAS CP600e LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
- Broadcom® PSAS CP600ex FH SAS Ctrl. 12 Gbit/s PCIe 3.0 x8

### RAID Controller
- pre-configured RAID1 Array for M.2 in PDUAL,
- Fujitsu PRAID EP680i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-Pcie 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 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, 50, 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, 50, 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, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3908
- Fujitsu PRAID EP 3258-16i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, NVMe-Pcie 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, Optional FBU
- Fujitsu PRAID EP 3254-8i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 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, 50, 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 2 x Emulex LPE36000-M64-F MMF LC-style
- 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

- 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, 2000GB/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® RTX™ 6000 Ada, 48 GB, 786 GB/s, 48 GB GDDR6, N/A, PCIe 4.0 x16, 4 x DisplayPort
- NVIDIA® T400 4GB, 4 GB, 384 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.

Notes

Compatibility

If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.

Continuity management

The product may in connection with and depending on the specific configuration include elements to support time- and performance-critical applications, however high availability (e.g., 99,9999%) and failsafe performance is not a standalone product feature. If and to the extent the product is to be used in such business-critical environments, it is within the sole responsibility of the user to set up the specific additional technical features (e.g., Storage Cluster), redundancies, and operational conditions as required to ensure such high availability or failsafe performance.

Security

The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.

Warranty

Manufacturer warranty period 3 years
Warranty type Onsite warranty
Product Support - the perfect extension
Support Pack Options Globally available in major metropolitan areas:
9x5, Next Business Day Onsite Response Time
9x5, 4h Onsite Response Time (depending on country)
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 at least 5 years after shipment, for details see https://support.ts.fujitsu.com/
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

Copyrights
All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see http://www.fujitsu.com/emeia/resources/navigation/terms-of-use.html
Copyright 2023 Fujitsu LIMITED

Disclaimer
Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.
Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.