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 PCIe-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**

### POWER YOUR BUSINESS-CRITICAL WORKLOADS
- 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.

### SCALABLE APPLICATION PERFORMANCE
- 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.

### FLEXIBLE EXPANDABILITY AND RELIABILITY
- 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.

### SECURE AND RELIABLE
- 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.

### AGILE INFRASTRUCTURE MANAGEMENT
- 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.

**Benefits**

- 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.

- 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.

- 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.

- 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.

- 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.
## Technical details

**PRIMERGY RX4770 M7**

<table>
<thead>
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<th>Base unit</th>
<th>PRIMERGY RX4770 M7</th>
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<th>PRIMERGY RX4770 M7</th>
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<tr>
<td>Housing types</td>
<td>Rack</td>
<td>Rack</td>
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<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 expandable</td>
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<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 6xxxx processor / Intel® Xeon® Platinum 8xxx processor

**Intel® Xeon® Gold Processor**

- Intel® Xeon® Gold 6166H (18C, 2.2 GHz, TCL: 45 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4,800 MHz, 165 W)
- Intel® Xeon® Gold 6200H (24C, 2.1 GHz, TCL: 60 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4,800 MHz, 185 W)
- Intel® Xeon® Gold 6344H (8C, 3.7 GHz, TCL: 22.5 MB, Turbo: 4.10 GHz, 16 GT/s, Mem bus: 4,800 MHz, 195 W)
- Intel® Xeon® Gold 6448H (32C, 2.4 GHz, TCL: 60 MB, Turbo: 3.20 GHz, 16 GT/s, Mem bus: 4,800 MHz, 250 W)

**Intel® Xeon® Platinum Processor**

- Intel® Xeon® Platinum 8444H (16C, 2.9 GHz, TCL: 45 MB, Turbo: 3.20 GHz, 16 GT/s, Mem bus: 4,800 MHz, 270 W)
- Intel® Xeon® Platinum 8450H (28C, 2.0 GHz, TCL: 75 MB, Turbo: 2.60 GHz, 16 GT/s, Mem bus: 4,800 MHz, 250 W)
- Intel® Xeon® Platinum 8454H (32C, 2.1 GHz, TCL: 82.5 MB, Turbo: 2.70 GHz, 16 GT/s, Mem bus: 4,800 MHz, 270 W)
- Intel® Xeon® Platinum 8460H (40C, 2.2 GHz, TCL: 105 MB, Turbo: 3.10 GHz, 16 GT/s, Mem bus: 4,800 MHz, 330 W)
- Intel® Xeon® Platinum 8468H (48C, 2.1 GHz, TCL: 105 MB, Turbo: 3.00 GHz, 16 GT/s, Mem bus: 4,800 MHz, 330 W)
- Intel® Xeon® Platinum 8490H (60C, 1.9 GHz, TCL: 112.5 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4,800 MHz, 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 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, PC5-4800, DIMM, 4Rx4
- 16 GB (1 module(s) 16 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-4800, DIMM, 1Rx8
- 256 GB (1 module(s) 256 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-4800, DIMM, 8Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-4800, DIMM, 1Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-4800, DIMM, 2Rx8
- 64 GB (1 module(s) 64 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-4800, DIMM, 2Rx4

**Interfaces**

- **USB 3.x ports**: 5 x USB 3.1 Gen1 (USB 3.0) (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
  - 2 x 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
- 24 x 2.5-inch hot-plug SAS/SATA/PCIe
- Storage drive bay configuration: Optional expandable up to 16 storage drives

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** [Link](http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473)

**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** [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** [Link](http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe)
Environment

Noise emission Measured according to ISO 7779 and declared according to ISO 9296

Sound pressure (LpAm) 40.6 dB(A) (idle) / 47.7 dB(A) (operating) typical Values

Sound power (LWAd; 1B = 10dB) 6.0 B (idle) / 6.6 B (operating) typical Values

Noise notes Noise emissions depend 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.

Environmental (Base unit specific)

Operating ambient temperature 5 - 45 °C

Electrical values

Power supply configuration 3 hot-plug power supplies (standard)

Hot-plug power supply redundancy Optional

Active power (max. configuration) 3,700 W

Apparent power (max. configuration) 3775 VA

Heat emission (max. configuration) 13320.0 kJ/h (12624.9 BTU/h)

Rated current max. 12A (100 V) / 15A (230 V)

Active power note To estimate the power consumption of different configurations use the Fujitsu Product Configurator: www.fujitsu.com/configurator/public

Power supply 1600W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 100V range: 1030W

1600W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz

2200W hot-plug, 94% (Platinum efficiency), 200-240V, 50 / 60Hz

2400W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz

Power supply notes Power Safeguard adapts system performance in case the power requirements exceed supply limits. Platinum PSUs are only for APAC/Japan market.

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
### SSD SAS 2.5-inch

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
<th>Transfer Rate</th>
<th>Intensity</th>
<th>Plug Type</th>
<th>DWPD</th>
<th>SED</th>
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<td>22.5Gb/s, 960 GB, Read-Intensive</td>
<td>960 GB</td>
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<td>hot-plug</td>
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### SSD SATA 2.5-inch

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<tr>
<th>Capacity</th>
<th>Type</th>
<th>Interface</th>
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<tr>
<td>768 GB</td>
<td>SSD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>1.92 TB</td>
<td>SSD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>1.92 TB</td>
<td>SSD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>1.92 TB</td>
<td>SSD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
</tbody>
</table>

### HDD 2.5-inch

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Type</th>
<th>Interface</th>
<th>Performance</th>
<th>Hot-plug</th>
<th>Version</th>
<th>Rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Read-Intensive</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>1.0 DWPD</td>
</tr>
<tr>
<td>2TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>2TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>3TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>3TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>3TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>3TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
</tr>
<tr>
<td>3TB</td>
<td>HDD SATA</td>
<td>6 Gb/s</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, enterprise</td>
<td>0.9 DWPD</td>
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</table>

### PCIe SSD & SATA DOM SSD

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Type</th>
<th>Interface</th>
<th>Performance</th>
<th>Hot-plug</th>
<th>Version</th>
<th>Rotation</th>
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<tbody>
<tr>
<td>400 GB</td>
<td>PCIe-SSD SFF</td>
<td>400 GB</td>
<td>Write-Intensive</td>
<td>Hot-plug</td>
<td>2.5-inch, Flash drive</td>
<td>100 DWPD</td>
</tr>
<tr>
<td>3.2TB</td>
<td>PCIe-SSD SFF</td>
<td>3.2 TB</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, Flash drive</td>
<td>3.0 DWPD</td>
</tr>
<tr>
<td>1.6 TB</td>
<td>PCIe-SSD SFF</td>
<td>1.6 TB</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, Flash drive</td>
<td>3.0 DWPD</td>
</tr>
<tr>
<td>1.6 TB</td>
<td>PCIe-SSD SFF</td>
<td>1.6 TB</td>
<td>Mixed-use</td>
<td>Hot-plug</td>
<td>2.5-inch, Flash drive</td>
<td>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
- 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-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 SAS3516
- 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 SAS3516
- 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 1 x 16 Gbit/s Qlogic QE2690 LC-style
- Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QE2692 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. 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, 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

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/
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Software

www.fujitsu.com/software/

More information

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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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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.

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2023-12-27 WW-EN