Data Sheet
Fujitsu PRIMERGY RX2530 M7 Rack Server

Maximum productivity in a 1U housing

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 RX2530 M7

The Fujitsu PRIMERGY RX2530 M7 server in a dense 1U chassis is based on a dual-socket x86 platform providing an ideal combination of performance and scalability for most data centers. The PRIMERGY RX2530 M7 is ideal for AI workloads, HPC infrastructures, virtualization, databases as well as scale-out scenarios. It supports the latest 4th generation Intel® Xeon® Scalable Processors with up to 60 cores in a standard socket and fourUPI 2.0 links resulting in a performance improvement of more than 40% compared to the previous generation processors. New High Bandwidth Memory (HBM) with up to 1 TB/s support the performance boost. The integration of Compute Express Link (CXL) supports 4x16 devices and provides a large amount of memory capacity 8 TB (DDR5) with 32 DIMM slots delivering once more excellent results for even the most demanding applications and workloads. The new DDR5 DIMM modules provide fast memory for intensive workloads such as data analytics and in-memory databases. Get a broad choice for storage flexibility with up to 4x 3.5" SAS/SATA, up to 10x 2.5"SAS/SATA/NVMe storage devices. In addition, two further 2.5" storage devices are available as an option on the rear of the chassis. The PRIMERGY RX2530 M7 supports the new PCIe 5.0 interface and SAS 24G for upcoming devices. A total of three such interfaces are available. It also provides two onboard LAN adapters via OCP v3. With Platform Firmware Resilience (PFR) functionality, as one example of integrated security for all servers and proven reliability help to provide a maximum uptime in enterprise data centers. Optionally available is a front locking bezel to avoid unauthorized physical access directly in the data center. All new and optimized security features should help to secure sensitive workloads and enable new opportunities to unleash the power of data.

With the Fujitsu Infrastructure Manager (ISM) as well as the integrated next generation Remote Management Controller (iRMC S6), even more complex workloads and administration tasks are simplified for transparent management of your server and the IT infrastructure so you can focus on your business objectives.

With the now available short chassis version, please be aware that configuration options are different for the short depth model.
Features & Benefits

**Main Features**

**OPTIMIZED PERFORMANCE AND DENSITY**
- Wide choice of different available types of 4th Generation Intel® Xeon® Scalable processors. Each processor offers up to 60 cores (depending on SKU), 16 memory channels, up to 4 Intel® Ultra Path Interconnect (UPI 2.0 at 16 GT/s) and PCI-Express 5.0 with up to 80 lanes (per socket) enabling a significantly higher performance and efficiency.

**POWER YOUR APPLICATIONS**
- 32 memory slots in total supporting 8 TB memory with DDR5 DIMM modules (@ 4,800 MT/s) for improved workload performance.

**EASY EXPANDABILITY**
- Our server systems are built to scale easily to be able to adapt to a variety of applications and meet future demands. PRIMERGY RX2530 M7 comes with adapters via OCP v3 as well as flexible PCIe riser cards with support for up to 3x PCIe 5.0 / 1x PCIe 4.0 (dedicated for internal RAID Controller) slots. Different available base units with 4x 3.5-inch SAS/SATA, up to 8x/10x 2.5-inch SAS/SATA/NVMe support provide enormous expandability.

**COMPREHENSIVE PROTECTION**
- 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, …). Benefit from advanced security technologies such as Platform Firmware Resilience (PFR) to protect the most sensitive portions of a workload, encryption support to enhance data and VM protection as well as physical protection to avoid unauthorized access.

**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. Benefit from advanced security technologies such as Platform Firmware Resilience (PFR) to protect the most sensitive portions of a workload, encryption support to enhance data and VM protection as well as physical protection to avoid unauthorized access.

**Benefits**

- Ideal dual-socket platform for dense scale-out data center computing powered by latest 4th Generation Intel® Xeon® Scalable Processors with up to 60 cores per CPU.

- Combine performance and versatility to adapt to a variety of applications and meet future demands with 32 DIMM modules and up to 8 TB of memory. DDR5 DIMM memory provides fast, high capacity for memory intensive workloads.

- Benefit from the flexibility of 2.5", 3.5" storage devices for highest capacities with up to 10 drives per height unit (U) and additional expandability with up to 3 PCIe 5.0 /1x PCIe 4.0 (for Internal RAID controller) slots flexible adapters via OCP v3.

- Benefit from advanced security technologies such as Platform Firmware Resilience (PFR) to protect the most sensitive portions of a workload, encryption support to enhance data and VM protection as well as physical protection to avoid unauthorized access.

- Infrastructure Manager (ISM) enables organizations to have centralized control over the infrastructure that includes servers, storage, networking management software as well as power and cooling using a single user interface.
### Technical details

**PRIMERGY RX2530 M7**

<table>
<thead>
<tr>
<th>Base unit</th>
<th>PRIMERGY RX2530 M7 SFF</th>
<th>PRIMERGY RX2530 M7 LFF</th>
<th>PRIMERGY RX2530 M7 SFF</th>
<th>PRIMERGY RX2530 M7 LFF</th>
<th>PRIMERGY RX2530 M7 SFF</th>
<th>PRIMERGY RX2530 M7 LFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing types</td>
<td>Rack</td>
<td>Rack</td>
<td>Rack</td>
<td>Rack</td>
<td>Rack</td>
<td>Rack</td>
</tr>
<tr>
<td>Storage drive architecture</td>
<td>8x 2.5-inch SAS/SATA</td>
<td>4x 3.5-inch SAS/SATA</td>
<td>2.5-inch SAS/SATA</td>
<td>10x 2.5-inch SAS/ SATA/PCIe</td>
<td>10x 2.5-inch SATA/ NVMe</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>Hot-plug</td>
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<td>Hot-plug</td>
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### Mainboard

<table>
<thead>
<tr>
<th>Mainboard type</th>
<th>D3982</th>
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<tbody>
<tr>
<td>Chipset</td>
<td>Intel® C741</td>
</tr>
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</table>

**Processor quantity and type**

1 - Intel® Xeon® Bronze 3xxx processor / Intel® Xeon® Silver 4xxx processor / Intel® Xeon® Gold 5xxx processor / Intel® Xeon® Platinum 8xxx processor

**Intel® Xeon® Bronze Processor**

- Intel® Xeon® Bronze 3400U (8C, 1.8 GHz, TLC: 22.5 MB, Turbo: 1.90 GHz, 16 GT/s, Mem bus: 4.000MHz, 125 W)
- Intel® Xeon® Max Processor 9460 (40C, 2.20 GHz, TLC: 60 MB, Turbo: 3.50 GHz, 16 GT/s, Mem bus: 4.800MHz, 350 W)
- Intel® Xeon® Max Processor 9462 (32 C, 2.2 GHz, 1.8 GHz, 16 GT/s, Mem bus: 4.400MHz, 150 W)

**Intel® Xeon® Silver Processor**

- Intel® Xeon® Max Processor 9460 (40C, 2.20 GHz, TLC: 60 MB, Turbo: 3.50 GHz, 16 GT/s, Mem bus: 4.800MHz, 350 W)
- Intel® Xeon® Max Processor 9462 (32 C, 2.2 GHz, 1.8 GHz, 16 GT/s, Mem bus: 4.400MHz, 150 W)
- Intel® Xeon® Max Processor 9468 (48C, 2.10 GHz, TLC: 60 MB, Turbo: 3.50 GHz, 16 GT/s, Mem bus: 4.800MHz, 350 W)

**Intel® Xeon® Gold Processor**

- Intel® Xeon® Gold 5412U (24C, 2.1 GHz, TLC: 45 MB, Turbo: 2.90 GHz, 16 GT/s, Mem bus: 4.400MHz, 185 W)
- Intel® Xeon® Gold 5415+ (8C, 2.9 GHz, TLC: 22.5 MB, Turbo: 2.60 GHz, 16 GT/s, Mem bus: 4.400MHz, 150 W)
- Intel® Xeon® Gold 5416S (16C, 2.60 GHz, 16 GT/s, Mem bus: 4.400MHz, 150 W)
- Intel® Xeon® Gold 5418N (32C, 2.2 GHz, 1.8 GHz, 16 GT/s, Mem bus: 4.400MHz, 150 W)
- Intel® Xeon® Gold 5418Y (24C, 2.0 GHz, TLC: 45 MB, Turbo: 2.80 GHz, 16 GT/s, Mem bus: 4.400MHz, 185 W)
- Intel® Xeon® Gold 5420+ (28C, 2.0 GHz, TLC: 52.5 MB, Turbo: 2.60 GHz, 16 GT/s, Mem bus: 4.400MHz, 205 W)
- Intel® Xeon® Gold 6414U (32 C, 2.0 GHz, TLC: 60 MB, Turbo: 2.60 GHz, 16 GT/s, Mem bus: 4.400MHz, 250 W)
- Intel® Xeon® Gold 6426Y (16C, 2.5 GHz, TLC: 37.5 MB, Turbo: 3.30 GHz, 16 GT/s, Mem bus: 4.400MHz, 185 W)
- Intel® Xeon® Gold 6428N (32 C, 1.8 GHz, TLC: 60 MB, Turbo: 2.50 GHz, 16 GT/s, Mem bus: 4.000MHz, 185 W)
- Intel® Xeon® Gold 6430 (32 C, 2.1 GHz, TLC: 60 MB, Turbo: 3.00 GHz, 16 GT/s, Mem bus: 4.400MHz, 270 W)
- Intel® Xeon® Gold 6434 (8C, 3.7 GHz, TLC: 22.5 MB, Turbo: 4.10 GHz, 16 GT/s, Mem bus: 4.800MHz, 195 W)
- Intel® Xeon® Gold 6438M (32 C, 2.2 GHz, TLC: 60 MB, Turbo: 2.80 GHz, 16 GT/s, Mem bus: 4.800MHz, 205 W)
- Intel® Xeon® Gold 6438N (32 C, 2.0 GHz, TLC: 60 MB, Turbo: 2.70 GHz, 16 GT/s, Mem bus: 4.800MHz, 205 W)
- Intel® Xeon® Gold 6438Y (32 C, 2.0 GHz, TLC: 60 MB, Turbo: 2.80 GHz, 16 GT/s, Mem bus: 4.800MHz, 205 W)
- Intel® Xeon® Gold 6442Y (24C, 2.6 GHz, TLC: 60 MB, Turbo: 3.30 GHz, 16 GT/s, Mem bus: 4.800MHz, 225 W)
- Intel® Xeon® Gold 6444Y (16C, 3.6 GHz, TLC: 45 MB, Turbo: 4.00 GHz, 16 GT/s, Mem bus: 4.800MHz, 270 W)
- Intel® Xeon® Gold 6448Y (32 C, 2.1 GHz, TLC: 60 MB, Turbo: 3.00 GHz, 16 GT/s, Mem bus: 4.800MHz, 225 W)
- Intel® Xeon® Gold 6454S (32 C, 2.2 GHz, TLC: 60 MB, Turbo: 2.80 GHz, 16 GT/s, Mem bus: 4.800MHz, 270 W)
- Intel® Xeon® Max Processor 9460 (40C, 2.20 GHz, TLC: 60 MB, Turbo: 3.50 GHz, 16 GT/s, Mem bus: 4.800MHz, 350 W)
- Intel® Xeon® Max Processor 9462 (32 C, 2.7 GHz, TLC: 60 MB, Turbo: 3.50 GHz, 16 GT/s, Mem bus: 4.800MHz, 350 W)
- Intel® Xeon® Max Processor 9468 (48C, 2.10 GHz, TLC: 60 MB, Turbo: 3.50 GHz, 16 GT/s, Mem bus: 4.800MHz, 350 W)
### Intel® Xeon® Platinum Processor

- Intel® Xeon® Max Processor 9460 (40C, 2.20 GHz, TLC: 60 MB, Turbo: 3.50 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Max Processor 9462 (32 C, 2.7 GHz, TLC: 60 MB, Turbo: 3.50 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Max Processor 9468 (48C, 2.10 GHz, TLC: 60 MB, Turbo: 3.50 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Platinum 8452Y (36C, 2.0 GHz, TLC: 67.5 MB, Turbo: 2.80 GHz, Mem bus: 4,800MHz, 300 W)
- Intel® Xeon® Platinum 8458P (44C, 2.7 GHz, TLC: 82.5 MB, Turbo: 3.20 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Platinum 8460Y+ (40C, 2.0 GHz, TLC: 105 MB, Turbo: 2.80 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Platinum 8462Y+ (32 C, 2.8 GHz, TLC: 60 MB, Turbo: 3.60 GHz, Mem bus: 4,800MHz, 300 W)
- Intel® Xeon® Platinum 8468 (48C, 2.1 GHz, TLC: 105 MB, Turbo: 3.10 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Platinum 8468V (48C, 2.4 GHz, TLC: 97.5 MB, Turbo: 2.90 GHz, Mem bus: 4,800MHz, 330 W)
- Intel® Xeon® Platinum 8470 (52C, 2.0 GHz, TLC: 105 MB, Turbo: 3.00 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Platinum 8470N (52C, 1.7 GHz, TLC: 97.5 MB, Turbo: 2.70 GHz, Mem bus: 4,800MHz, 300 W)
- Intel® Xeon® Platinum 8480+ (56C, 2.0 GHz, TLC: 105 MB, Turbo: 3.00 GHz, Mem bus: 4,800MHz, 350 W)
- Intel® Xeon® Platinum 8490H (60C, 1.9 GHz, TLC: 112.5 MB, Turbo: 2.90 GHz, Mem bus: 4,800MHz, 350 W)

**Processor notes:**
- no mix of different processor types

**Memory slots:**
- 32 (16 DIMMs per CPU, 8 channels with 2 slots per channel)

**Memory slot type:**
- DIMM (DDR5)

**Memory capacity (min. - max.):**
- 16 GB - 8 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, 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

**Memory modules notes:**
- Max capacity maybe changed.

#### Interfaces

- **USB 3.x ports:** 5 x USB 3.0 (2x front, 2x rear, 1x internal)
- **Graphics (15-pin):** 2 x VGA (thereof 1x front optional - not for base unit with 10x 2.5" devices)
- **Serial 1 (9-pin):** 1 x optional (occupies PCIe slot)
- **Management LAN (RJ45):** 1 x dedicated management LAN port for iRMC S6 (10/100/1000 Mbit/s)
- **Interface notes:** Management LAN traffic can be switched to shared onboard LAN controller port, speed and connector is related to installed interface card.

#### Onboard or integrated Controller

- **RAID controller:** All hardware storage controller options are described under Components. For dedicated base units front AND rear storage drives may be connected to a single controller. Please see relevant system configurator for configuration options and restrictions.
- **SATA Controller:** 1x SATA channel for ODD, 2x SATA channel for M.2, 8x SATA channel for HDD/SSD
- **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 1 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.
### Onboard or integrated Controller

<table>
<thead>
<tr>
<th>Remote management controller</th>
<th>Integrated Remote Management Controller (iRMC S6, 1024 MB attached memory incl. graphics controller) IPMI 2.0 compatible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trusted Platform Module (TPM)</td>
<td>Infineon / TPM 2.0 module; TCG compliant (option)</td>
</tr>
</tbody>
</table>

### Slots

<table>
<thead>
<tr>
<th>PCI-Express 5.0 x16</th>
<th>3 x Low profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCI-Express 4.0 x16</td>
<td>1 x Low profile</td>
</tr>
</tbody>
</table>

**Slot Notes**

Slot 4 (internal): PCIe 4.0 x16 @CPU1 is dedicated for the modular RAID Controller.

Slot 1: PCIe 5.0 x16 @CPU1 for low profile cards with up to 167mm length

Slot 2: PCIe 5.0 x16 @CPU1 for low profile cards with up to 167mm length

Slot 3: PCIe 5.0 x16 @CPU2 for low profile cards with up to 167mm length

Slot 3 option: PCIe 5.0 x16 @CPU2 for full height cards with up to 167mm length (in this case, slot 2 is not available)

Slot availability and population depending on selected base unit. Please see relevant configurator for details.

### Drive bays (Base unit specific)

<table>
<thead>
<tr>
<th>Storage drive bays</th>
<th>up to 4 x 3.5-inch, 8 x 2.5-inch, 10 x 2.5-inch base unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible drive bays</td>
<td>1 x 5.25/9.5mm for DVD-RW/Blu-ray</td>
</tr>
<tr>
<td>Notes accessible drives</td>
<td>Not for 10x 2.5-inch base unit. All possible options described in relevant system configurator.</td>
</tr>
<tr>
<td>Optional accessible drives</td>
<td>2x 2.5-inch hot-plug SAS/SATA rear option</td>
</tr>
</tbody>
</table>

### General system information

<table>
<thead>
<tr>
<th>Number of fans</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan configuration</td>
<td>redundant / hot-plug</td>
</tr>
<tr>
<td>Fan notes</td>
<td>n+1 redundant</td>
</tr>
</tbody>
</table>

### Operating panel

<table>
<thead>
<tr>
<th>Operating buttons</th>
<th>On/off switch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Reset button</td>
</tr>
<tr>
<td></td>
<td>NMI button</td>
</tr>
<tr>
<td></td>
<td>ID button</td>
</tr>
</tbody>
</table>

**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)
- 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
- 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
- Windows Server 2019 Essentials
- VMware vSphere™ 8.0
- VMware vSphere™ 7.0
- SUSE® Linux Enterprise Server 15
- Red Hat® Enterprise Linux 8

Operating system release link: http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473

Operating system notes: Support of other Linux derivatives on demand

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): 483 mm (Bezel) / 435 mm (Body) x 808 x 43 mm
- Dimension notes: Short depth: 483 mm (Bezel) / 435 mm (Body) x 728mm x 43 mm
  - Note: Please be aware that configuration options are different for the short depth model

Mounting Depth Rack: Std: 836.95 mm / Short depth: 756.95 mm

Height Unit Rack: 1 U

19” rackmount: Yes

Weight

- Std: max. 19.2 kg / Short depth: max. 16.6 kg
- Weight notes: Actual weight may vary depending on configuration

Rack integration kit: Rack integration kit as option

Environment

- Operating temperature note: PRIMERGY servers are designed for the usage with operating temperatures of up to 35°C. There could be configurations that are not able to work within this normal operation class. 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)


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

Sound pressure (LpAm): 36 dB(A) (idle) / 44 dB(A) (operating) typical Values

Sound power (LWAd; 1B = 10dB): 5.4 B (idle) / 6.2 B (operating) typical Values

Noise notes: Noise emissions depends on operation modes, system configuration and ambient temperature.

Electrical values

- Power supply configuration: 1 x hot-plug power supply or 2 x hot-plug power supply for redundancy
- Hot-plug power supply redundancy: Optional
- Active power (max. configuration): 2,608 W
- Apparent power (max. configuration): 2635 VA
- Heat emission (max. configuration): 9388.8 kJ/h (8898.9 BTU/h)
Electrical values

Rated current max. 12A (100-127 V) / 15A (200-240 V)

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

Power supply 500W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz
500W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz
900W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz
900W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz
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
1300W hot-plug, 94% (equivalent to Platinum efficiency) –48V DC
1600W hot plug, 94% (equivalent to Platinum efficiency) 380V DC

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

Compliance

Product PRIMERGY RX2530 M7
Model PR200C

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

Germany GS
Europe CE

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

Japan VCCI Class A + JIS 61000-3-2

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, 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, 600 GB, 10,000 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
### HDD 3.5-inch

- **HDD SATA, 6 Gb/s, 18 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SATA, 6 Gb/s, 16 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SATA, 6 Gb/s, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SATA, 6 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SATA, 6 Gb/s, 4 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical**
- **HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical**
- **HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical**
- **HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise**
- **HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise**
- **HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise**
- **HDD SAS, 12 Gb/s, 20 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SAS, 12 Gb/s, 18 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SAS, 12 Gb/s, 16 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SAS, 12 Gb/s, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SAS, 12 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical**
- **HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise**
- **HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise**

### SSD SAS 2.5-inch

- **SSD SAS, 22.5 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD**
- **SSD SAS, 22.5 Gb/s, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5 Gb/s, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5 Gb/s, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD**
- **SSD SAS, 22.5 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5 Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD**
- **SSD SAS, 22.5 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD**
- **SSD SAS, 22.5 Gb/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**
- **SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 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, 1.6 TB, Read-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 CP600i LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
- Broadcom® PSAS CP600e LP 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-PCle 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 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 EPS80i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCle 8 Gbit/s, 8 Gbit/s 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, Optional FBU based on LSI SAS3516
- Fujitsu PRAID EPS40i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCle 8 Gbit/s, 8 Gbit/s 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3516
- Fujitsu PRAID EPS20i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCle 8 Gbit/s, 8 Gbit/s 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3516
- Fujitsu PRAID EP3258-16i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, NVMe-PCle 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, Optional FBU
- Fujitsu PRAID EP2532-8i 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 3254-8i 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 CP500i LP, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 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 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® A2, 200GB/s, 16GB GDDR6, N/A, PCIe 4.0 x8
- , xxxGB/s, 24GB 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 1U** 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.
- Rackmount kit partial extraction (400mm). Tool less mounting for general use, length variable 559-890mm.

### Warranty
<table>
<thead>
<tr>
<th>Warranty</th>
<th>3 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty type</td>
<td>Onsite warranty</td>
</tr>
</tbody>
</table>

### Product Support - the perfect extension
<table>
<thead>
<tr>
<th>Support Pack Options</th>
<th>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)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Service</td>
<td>24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.</td>
</tr>
<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 RX2530 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/

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

More information
Learn more about Fujitsu PRIMERGY RX2530 M7, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

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