Fujitsu offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. 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 RX2450 M2**
The PRIMERGY RX2450 M2 is a dual-socket 2U rack server that delivers high core count performance combined with flexible configuration options. Powered by the 4th Gen AMD EPYC™ processors, the server system is ideal for traditional and emerging workloads such as generative AI, LLM deep learning, virtualized and cloud computing environments, HPC and other data-intensive workloads. The PRIMERGY RX2450 M2 can be equipped with two AMD EPYC™ CPUs featuring up to 128 cores each. PRIMERGY RX2450 M2 provides a silicon root of trust feature to help protect against platform firmware attacks and is designed to detect and correct them before they can compromise or disable the machine. Along with enhanced DDR5 memory technology supporting 4,800 MT/s, the server features maximum memory capacity provided by 24 DIMM slots in total supporting 6TB of memory. The instructions per clock increase of the latest AMD EPYC™ processors compared to the previous generation as well as the capacity of DIMM modules provide great Gen AI, VM, container and application density. The design of the server offers balanced expandability with up to 24 (plus 6 at rear) hot-swap 2.5” storage devices as well as up to eight PCIe 5.0 expansion slots. In order not to waste the disk capacity in the front of the chassis, the system also offers other advanced features such as SSD SATA M.2 devices for efficient boot requirements. PCIe 5.0 delivers double the I/O performance over PCIe 4.0, provides 128 PCIe lanes and satisfies voracious needs for east-west bandwidth. Moreover, the server can be equipped with different kinds of NVIDIA GPU cards like H100. The PRIMERGY RX2450 M2 comes with two redundant 900 - 2400W high-efficiency (Titanium Level) power supply units and in total six fan modules with speed control providing efficient system cooling.
## Features & Benefits

<table>
<thead>
<tr>
<th>Main Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SECURE, HIGH PERFORMANCE COMPUTING</strong></td>
<td>The versatile PRIMERGY RX2450 M2 server with AMD EPYC™ 9004 processors fastens time to value for IT organizations running demanding workloads.</td>
</tr>
<tr>
<td>- With up to 256 cores (per 2-socket configuration), 24 DIMMs DDR5, 6 TB memory capacity, CXL support as well as up to 24 storage devices plus 6 optional on the rear side, the PRIMERGY RX2450 M2 server delivers top performance for demanding AI apps and virtual machines (VMs) with unprecedented security.</td>
<td></td>
</tr>
<tr>
<td>- The server system offers the possibility of using up to 30x 2.5-inch storage devices (Front and rear). There is also the option of expanding the server using a total of 6x LP or up to 8 with riser cards PCIe 5.0 slots. The server can be equipped with different kinds of NVIDIA GPU cards to support generative AI, LLM machine learning and other performance apps</td>
<td></td>
</tr>
<tr>
<td><strong>EXPANDABILITY AND DENSITY</strong></td>
<td>Agile and data-driven companies modern platforms that scale easily and are optimized for application performance. The PRIMERGY RX2450 M2 is built on the well known scalable system architecture and provides choice and flexibility to meet performance demands.</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>
<tr>
<td><strong>AGILE INFRASTRUCTURE MANAGEMENT</strong></td>
<td>As you scale your infrastructure, scale your profitability with Fujitsu Software Infrastructure Manager (ISM). ISM enables organizations to have centralized control over the infrastructure, which includes servers, storage, networking, cloud management software as well as power and cooling using a single user interface.</td>
</tr>
<tr>
<td>- PRIMERGY RX2450 M2 equipped with AMD EPYC™ processors boast a set of advanced security features, 256-bit AES-XTS encryption, and Secure Encrypted Virtualization (SEV). All of these features help minimize potential attack surfaces as software is booted and executed and processes your critical data.</td>
<td></td>
</tr>
<tr>
<td><strong>SECURITY</strong></td>
<td>Designed with security in mind, AMD EPYC™ 9004 series processors help protect your CPU, applications, and data. With features such as AMD Secure Boot, there is an improved layer of security and firmware advanced persistent threats are mitigated. Platform Firmware Resilience is provided by the PRIMERGY RX2450 M2.</td>
</tr>
</tbody>
</table>
## Technical details

### PRIMERGY RX2450 M2

<table>
<thead>
<tr>
<th>Base unit</th>
<th>PRIMERGY RX2450 M2 SFF</th>
<th>PRIMERGY RX2450 M2 LFF</th>
<th>PRIMERGY RX2450 M2 SFF</th>
<th>PRIMERGY RX2450 M2 LFF</th>
<th>PRIMERGY RX2450 M2 SFF</th>
<th>PRIMERGY RX2450 M2 LFF</th>
<th>PRIMERGY RX2450 M2 SFF</th>
<th>PRIMERGY RX2450 M2 LFF</th>
<th>PRIMERGY RX2450 M2 SFF</th>
<th>PRIMERGY RX2450 M2 LFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage drive architecture</td>
<td>16x 2.5-inch SAS/SATA</td>
<td>24x 2.5-inch SAS/SATA/PCIe</td>
<td>24x 2.5-inch SAS/SATA/PCIe</td>
<td>8x 2.5-inch SAS/SATA NVMe</td>
<td>2.5-inch SAS/SATA</td>
<td>16x 2.5-inch SAS/SATA</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

### Mainboard

<table>
<thead>
<tr>
<th>Mainboard type</th>
<th>D4129</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Processor quantity and type</th>
<th>1 - 2 x AMD EPYC™ 9004 series processor</th>
</tr>
</thead>
</table>

| Mainboard type | D4129 | D4129 | D4129 | D4129 | D4129 | D4129 | D4129 | D4129 | D4129 |

<table>
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</tr>
</thead>
</table>

### Intel® Xeon® Max Processor

<table>
<thead>
<tr>
<th>AMD EPYC™ 9124 (16C, 3.0 GHz, TLC: 64 MB, 200 W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMD EPYC™ 9174F (16C, 4.1 GHz, TLC: 256 MB, 320 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9184X (16C, 3.55 GHz, TLC: 768 MB, Turbo: 3.80 GHz, 320 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9224 (24C, 2.5 GHz, TLC: 64 MB, 200 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9274F (24C, 4.05 GHz, TLC: 256 MB, 320 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9334 (32C, 2.7 GHz, TLC: 128 MB, 210 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9354 (32C, 3.25 GHz, TLC: 256 MB, 280 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9354P (32C, 3.25 GHz, TLC: 256 MB, 280 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9384X (32C, 3.1 GHz, TLC: 768 MB, 320 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9454 (48C, 2.75 GHz, TLC: 256 MB, 290 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9454P (48C, 2.75 GHz, TLC: 256 MB, 290 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9534 (64 cores, 2.45 GHz, TLC: 256 MB, 280 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9554 (64 cores, 3.1 GHz, TLC: 256 MB, 360 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9554P (64 cores, 3.1 GHz, TLC: 256 MB, 360 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9634 (84C, 2.25 GHz, TLC: 384 MB, 290 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9654 (96 cores, 2.4 GHz, TLC: 384 MB, 360 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9654P (96 cores, 2.4 GHz, TLC: 384 MB, 360 W)</td>
</tr>
<tr>
<td>AMD EPYC™ 9754 (128C, 2.25 GHz, TLC: 256 MB, Turbo: 3.10 GHz, 360 W)</td>
</tr>
</tbody>
</table>
### Processor

- **AMD EPYC™ 9754** (128C, 2.25 GHz, up to 3.1 GHz, 4800 MT/s)
- **AMD EPYC™ 9654P** (96C, 2.4 GHz, up to 3.7 GHz, 4800 MT/s)
- **AMD EPYC™ 9654** (96C, 2.4 GHz, up to 3.7 GHz, 4800 MT/s)
- **AMD EPYC™ 9634** (84C, 2.25 GHz, up to 3.7 GHz, 4800 MT/s)
- **AMD EPYC™ 9554P** (64C, 3.1 GHz, up to 3.75 GHz, 4800 MT/s)
- **AMD EPYC™ 9554** (64C, 3.1 GHz, up to 3.75 GHz, 4800 MT/s)
- **AMD EPYC™ 9534** (64C, 2.45 GHz, up to 3.7 GHz, 4800 MT/s)
- **AMD EPYC™ 9454P** (48C, 2.75 GHz, up to 3.8GHz, 4800 MT/s)
- **AMD EPYC™ 9454** (48C, 2.75 GHz, up to 3.8GHz, 4800 MT/s)
- **AMD EPYC™ 9384X** (32C, 1.6 GHz, up to 3.9 GHz, 4800 MT/s)
- **AMD EPYC™ 9354P** (32C, 3.25 GHz, up to 3.8 GHz, 4800 MT/s)
- **AMD EPYC™ 9354** (32C, 3.25 GHz, up to 3.8 GHz, 4800 MT/s)
- **AMD EPYC™ 9334** (32C, 2.7 GHz, up to 3.9 GHz, 4800 MT/s)
- **AMD EPYC™ 9274F** (24C, 4.05 GHz, up to 4.3 GHz, 4800 MT/s)
- **AMD EPYC™ 9224** (24C, 2.75 GHz, up to 3.7 GHz, 4800 MT/s)
- **AMD EPYC™ 9184X** (16C, 3.55 GHz, up to 4.2 GHz, 4800 MT/s)
- **AMD EPYC™ 9174F** (16C, 4.1 GHz, up to 4.4 GHz, 4800 MT/s)
- **AMD EPYC™ 9124** (16C, 3.0 GHz, up to 3.7 GHz, 4800 MT/s)

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

### Memory slots

- 24 (12 DIMMs per CPU)

### Memory slot type

- DIMM (DDR5)

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

- 16 GB - 6 TB

### Memory protection

- Advanced ECC

### Standard memory modules

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

### Interfaces

- **USB 3.x ports**: 2 x USB 3.0 (2x rear, 1x internal)
- **Graphics (15-pin)**: 1 x VGA (1x rear)
- **Serial 1 (9-pin)**: 1 x Serial (1x rear)
- **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 Gbit LAN 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
- **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)
  - 2 x 10 Gbit/s Ethernet (RJ45)
  - 2 x 10 Gbit/s SFP+
  - 2 x 10 Gbit/s SFP+
  - 2 x 25 Gbit/s SFP28
  - 4 x 25 Gbit/s SFP28
  - 2 x 100 Gbit/s QSFP28
- **Remote management controller**: Integrated Remote Management Controller (iRMC S6, 1024 MB attached memory incl. graphics controller)
- **GPU / coprocessor**: GFX/GPU support for dedicated base units. Please see relevant WebArchitect for details and restrictions.
- **Trusted Platform Module (TPM)**: Infineon / TPM 2.0 module; TCG compliant (option)
Slots

Slot Notes
- Standard Rear Type: 6x PCIe slot + 1x OCPv3 slot
- Optional Rear Type 1: 4x PCIe slot(LP) + 4x PCIe slot(FH) + 1x OCPv3 slot
- Optional Rear Type 2: 4x PCIe slot + 2x double width GPGPU slot + 1x OCPv3 slot
  * "2x double width GPGPU slot" is supported with only Standard Front Type 3/4/5. (Front Type 3.5" model doesn't support "double width GPGPU".
- Optional Rear Type 3: 6x PCIe slot + 6x 2.5" disk drive + 1x OCPv3 slot

Drive bays (Base unit specific)

Storage drive bays
- up to 16x 2.5-inch, 24x 2.5-inch, 10x 3.5-inch or 12x 3.5-inch base units

Accessible drive bays
- 1 x 5.25/9.5mm for DVD-RW/Blu-ray

Notes accessible drives
- All possible options described in relevant system configurator.

Optional hard disk bays
- 6x 2.5-inch hot-plug SAS/SATA HDD/SSD rear option or 4x 2.5-inch hot-plug PCIe SSD via retimer or 4x 2.5-inch hot-plug PCIe SSD via 1x EPxxxi NVMe

Drive bays (Base unit specific)

Storage drive bays
- 16 x 2.5-inch hot-plug PCIe/SAS/SATA SSD or 2x 2.5-inch hot-plug SAS/SATA HDD
- 8 x 3.5-inch hot-plug SAS/SATA
- 12 x 3.5-inch hot-plug SAS/ Sata/PCIe
- 24 x 2.5-inch hot-plug SAS/SATA
- 8 x 2.5-inch hot-plug SAS/SATA
- 24 x 2.5-inch hot-plug SAS/SATA

Accessible drive bays
- 1 x 5.25/0.4-inch for CD-RW/DVD
- 1 x 5.25/0.4-inch for CD-RW/DVD
- 1 x 5.25/0.4-inch for CD-RW/DVD

Optional accessible drives
- ODD 5.25" possible
- ODD 5.25" possible
- ODD 5.25" possible

General system information

Number of fans
- 6

Fan configuration
- redundant / hot-plug

Fan notes
- FOXCONN/ PIA060M12H-P23-AB

Operating panel

Operating buttons
- On/off switch
- ID button
- Reset button
- NMI button

Status LEDs
- At system front side:
  - Power (DC-On: green / AC-On: white)
  - Identification(Blue-on: Activated by ID switch / Blue-flashing: Activated by IRMC)
  - CSS (orange)
  - Customer self service(Orange-on: Pre-failure detected /Orange-flashing: Error)
  - Global error LED(Orange-on: Pre-failure / Orange-flashing: Error)
  - LAN link/transfer(Green-on: LAN link / Green-Flashing: LAN transfer)
  - LAN speed(Off: 10 Mbit/s / Green: 100 Mbit/s / Yellow: 1000 Mbit/s)
  - Hard disks access (green)

BIOS

BIOS features
- UEFI compliant
- BIOS Flash EPROM update by software
- BIOS settings save and restore
- IPv4/IPv6 remote PXE support
- IPv4/IPv6 remote PXE & iSCSI boot support
- MCTP support
- Local BIOS update from USB device
- Secure boot support
## Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software:

- Windows Server 2022 Datacenter
- Windows Server 2022 Standard
- VMware vSphere™ 8.0
- VMware vSphere™ 7.0
- SUSE® Linux Enterprise Server 15
- Red Hat® Enterprise Linux 8


Operating system notes:

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 and ServerView Suite see dedicated data sheets.

Manageability link: [http://docs.ts.fujitsu.com/dl.aspx?id=9e92297a-16fb-4c69-8559-e38e7b42f6ee](http://docs.ts.fujitsu.com/dl.aspx?id=9e92297a-16fb-4c69-8559-e38e7b42f6ee)

## Dimensions / Weight

<table>
<thead>
<tr>
<th>Rack (W x D x H)</th>
<th>435 x 813 x 87 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height Unit Rack</td>
<td>2 U</td>
</tr>
<tr>
<td>19” rackmount</td>
<td>Yes</td>
</tr>
<tr>
<td>Weight</td>
<td>up to 34.1 kg</td>
</tr>
</tbody>
</table>

Weight notes:

Actual weight may vary depending on configuration

Rack integration kit:

Rack integration kit

## Environment

Operating ambient temperature:

10 - 35 °C

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), maximum dew point 21°C (non condensing)

Operating environment:

FTS 04230 – Guideline for Data Center (installation specification)

Operating environment link:


Noise emission:

According to ISO9296

Sound pressure (LpAm)

37 dB(A) (idle) / 39 dB(A) (operating) typical Values

Sound power (LWA; 1B = 10dB)

5.6 B (idle) / 5.8 B (operating) typical Values

Noise notes:

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

## Electrical values

Power supply configuration:

1x hot-plug power supply or 2x hot-plug power supply for redundancy

Hot-plug power supply redundancy:

Yes

Active power (max. configuration):

2,608.6 W

Apparent power (max. configuration):

2635 VA

Heat emission (max. configuration):

9391.0 kJ/h (8900.9 BTU/h)

Rated current max.:

12A (100-127 V) / 15A (200-240 V)
## Electrical values

**Power supply**
- 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
- 1600W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz
- 2200W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz
- 2400W hot-plug, 96% (Titanium efficiency), 100-240V, 50 / 60Hz

## Compliance

**Product**
- PRIMERGY RX2450 M2

**Model**
- PR2450A

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

**South Korea**
- KC

**China**
- CCC

**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

### Backup Drives
- LTO7HH Ultrium, 2,500 GB, 300 MB/s, half height, SAS 6Gb/s
- LTO7HH Ultrium, 300 MB/s, half height
- LTO7HH Ultrium, 300 MB/s, half height, SAS 6Gb/s
- RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0

### 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, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD**
- **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, SED**
- **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**
- **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, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 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 3.5-inch

- **SSD SAS, 22.5Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5Gb/s, 800 GB, Write-Intensive, hot-plug, 3.5-inch, enterprise, 10 DWPD**
- **SSD SAS, 22.5Gb/s, 15.36 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5Gb/s, 15.36 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED**
- **SSD SAS, 22.5Gb/s, 6.4 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD**
- **SSD SAS, 22.5Gb/s, 3.84 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5Gb/s, 3.2 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD**
- **SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 22.5Gb/s, 1.6 TB, Write-Intensive, hot-plug, 3.5-inch, enterprise, 10 DWPD**
- **SSD SAS, 22.5Gb/s, 1.6 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD**
- **SSD SAS, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 3.5-inch, enterprise, 10 DWPD**
- **SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 3.5-inch, enterprise, 10 DWPD**
- **SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD**
- **SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD**
- **SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD**
## SSD SATA 2.5-inch

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED</td>
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<td>SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED</td>
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<td>SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.5 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED</td>
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<td>SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD</td>
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## SSD SATA 3.5-inch

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
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<tbody>
<tr>
<td>SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.5 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED</td>
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<td>SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.0 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.6 DWPD</td>
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<td>SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.2 DWPD</td>
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<tr>
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<td>SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD, SED</td>
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</table>
### HDD 2.5-inch
- HDD SAS, 12 Gb/s, 600 GB, 10,000 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, 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, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
- HDD SATA, 6 Gb/s, 6 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 SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
- HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
- 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, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
- HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
- HDD SAS, 12 Gb/s, 4 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical
- HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise
- HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512n, 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

### PCIe SSD & SATA DOM SSD
- PCIe-SSD SFF, 800 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD
- PCIe-SSD SFF, 400 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD
- PCIe-SSD SFF, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 12.8 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
- PCIe-SSD SFF, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
- PCIe-SSD SFF, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
- PCIe-SSD SFF, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
- PCIe-SSD SFF, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 100 DWPD
- PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
**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, 3.5-inch, enterprise, 1 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, 3.5-inch, enterprise, 1 DWPD, SED
- SSD SAS, 22.5Gb/s, 1.6 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 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, 18 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
- HDD SAS, 12 Gb/s, 16 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
- HDD SAS, 12 Gb/s, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
- HDD SAS, 12 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
- HDD SAS, 12 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
- HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
- HDD SAS, 12 Gb/s, 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 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 CP600e 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 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, 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
- 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, 1 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 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Memory</th>
<th>Bandwidth</th>
<th>Cache</th>
<th>Interface</th>
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<tbody>
<tr>
<td>NVIDIA® A16</td>
<td>64 GB</td>
<td>800 GB/s</td>
<td>N/A</td>
<td>PCIe 4.0 x16</td>
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<td>NVIDIA® A2</td>
<td>2000 GB/16 GB DDR6</td>
<td>N/A</td>
<td>PCIe 4.0 x8</td>
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<td>NVIDIA® RTX™ 6000 Ada</td>
<td>48 GB</td>
<td>786 GB/s</td>
<td>N/A</td>
<td>PCIe 4.0 x16, 4 x DisplayPort</td>
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<tr>
<td>NVIDIA® RTX™ 6000 Ada</td>
<td>48 GB</td>
<td>200 GB/s</td>
<td>N/A</td>
<td>PCIe 4.0 x16, 4 x DisplayPort</td>
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<tr>
<td>NVIDIA® T400 4GB</td>
<td>384 cores</td>
<td>4GB</td>
<td>PCIe x16</td>
<td>3 x miniDP</td>
</tr>
</tbody>
</table>

### 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.
- Rackmount kit partial extraction (400mm), tool less mounting for general use, length variable 559-890mm.

### 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

#### Warranty Terms & Conditions

http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM

#### 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/

#### Service Weblink

Fujitsu products, solutions & services

In addition to PRIMERGY RX2450 M2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

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Software
www.fujitsu.com/software/

More information

Learn more about PRIMERGY RX2450 M2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

Fujitsu green policy innovation
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