

# Data Sheet

## Fujitsu PRIMERGY RX2540 M4 Server

The data center standard without compromise

---

### PRIMERGY RX2540 M4

The FUJITSU Server PRIMERGY RX2540 M4 sets higher standards for usability, scalability and cost-efficiency. It is a 2U dual-socket rack server ideal for running enterprise applications, collaboration and messaging workloads as well as traditional databases. Plus, it substantially simplifies carrying out infrastructure-related tasks like server virtualization and consolidation. As one of the key innovations, versatile performance is guaranteed by a new generation of processors. The PRIMERGY RX2540 M4 can be equipped with two of the latest Intel® Xeon® Processor Scalable Family CPUs with up to 28 cores each. Along with DDR4 memory technology with up to 3TB it boosts application performance to be able to cope with the increasing data growth and shortens time to business results. The modular design of the server offers excellent expandability with up to 28 disk drives, high storage density, up to 8 PCIe Gen 3 I/O expansion slots. A variety of onboard DynamicLoM options, plus its dual-port embedded LAN meet future requirements, cost-optimized. The PRIMERGY RX2540 M4 comes with two redundant hot-plug power supply units, offering up to 96% energy efficiency. The Cool-safe® Advanced Thermal Design allows for operation in ambient temperatures of up to 45 °C/104 °F. Both these features in line help to reduce operational expenses.



# Features & Benefits

| Main Features  | Benefits  |
|--|---|
| <p>Versatile Performance for any computing need</p> <ul style="list-style-type: none"> <li>■ Intel® Xeon® Processor Scalable Family CPUs with up to 28 cores relying on Intel® UltraPath Interconnect for an increased data rate between the CPUs.</li> <li>■ Up to 3,072 GB DDR4 memory with 2,666 MT/s (24 DIMM slots).</li> <li>■ 8x PCIe Gen3 slots.</li> </ul>  | <ul style="list-style-type: none"> <li>■ Ready for the future and data growth scenarios with the performance of two processors – marking the standard of tomorrow with an increase in computing power.</li> <li>■ DDR4 memories with higher bandwidth and lower consumption are the enabler; optimized for virtualization and clouds, data centers and high performance computing.</li> <li>■ Flexible expandability and diverse options for storage devices permits for the integration of existing and new SSD and HDD as needed. Less today, more in future – or vice versa.</li> </ul>  |
| <p>Enhanced Features for enhanced Computing</p> <ul style="list-style-type: none"> <li>■ Onboard LAN via OCP for basic LAN, DynamicLoM for extended requirements.</li> <li>■ Mix&amp;Match storage drive bays: Ideal scalability of either up to 12x 3.5-inch or up to 24x 2.5-inch HDD/SSD/PCIe SSD+ an additional rear option of 4x 2.5-inch drives.</li> <li>■ 2x internal M.2 devices support for hypervisor installations or mirroring.</li> <li>■ Power supply units with 96% energy efficiency.</li> <li>■ Fujitsu's Cool-safe® Advanced Thermal Design for higher ambient temperatures in the data center.</li> <li>■ Optional liquid cooled base unit (on special request).</li> <li>■ Up to 2x GPGPU support within one system.</li> </ul> |   |
| <p>Foundation for Trust and Security</p> <ul style="list-style-type: none"> <li>■ Fujitsu ServerView Suite including tools for installation and deployment, permanent status monitoring and control.</li> <li>■ BIOS, firmware and selected software are updated free of charge.</li> <li>■ TPM2.0 modules and latest operating system support.</li> </ul>   |   |
| <p>Simplified management</p> <ul style="list-style-type: none"> <li>■ iRMC S5 comes with new interactive web UI and conforms to Redfish providing unified API support for heterogeneous environment.</li> <li>■ RAID Controller embedded onboard.</li> </ul>   |   |
|  | <ul style="list-style-type: none"> <li>■ The right Ethernet connection for all: Basic via onboard LAN, extended with DynamicLoM guarantees the highest flexibility to integrate the server into existing infrastructures – now and in future without overhauling the existing infrastructure.</li> <li>■ Flexible expandability and diverse options for storage devices permits for the integration of existing and new SSD and HDD as needed. Less today, more in future – or vice versa.</li> <li>■ Not only "greener", also less expensive over time: Highly efficient hot-plug power supplies save energy costs and make it easy to maintain the running system and ensure industry-leading uptime.</li> <li>■ Higher ambient temperatures lead to lower costs for cooling the data center.</li> <li>■ Less noise, latest technology to cool processors and memory directly where the heat is being generated.</li> <li>■ Optimal for VDI, CAD or future technologies such as Artificial Intelligence of Virtual Reality applications.</li> </ul> |
|  | <ul style="list-style-type: none"> <li>■ Lifecycle investment protection.</li> <li>■ The comprehensive tools of the Fujitsu ServerView Suite eases the administrators life.</li> <li>■ Hardware and Software driven security features are very important in a fast-paced world, especially considering cybercrime.</li> </ul>   |
|  | <ul style="list-style-type: none"> <li>■ Optimized for both: data centers and SMEs can now rely on latest generation iRMC S5 increasing security and server admin productivity.</li> <li>■ RAID support for the most common configurations is conveniently embedded on the system board and does not require a dedicated controller.</li> </ul>   |

# Technical details

## PRIMERGY RX2540 M4

### Mainboard

|                             |  |
|-----------------------------|--|
| Mainboard type              | D3384  |
| Chipset                     | Intel® C624                                    |
| Processor quantity and type | 1 - 2 x Intel® Xeon® Processor Scalable Family |

**Graphics add on cards** Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP

|                               |   |
|-------------------------------|---|
| Memory slots                  | 24 (12 DIMMs per CPU, 6 channels with 2 slots per channel)  |
| Memory slot type              | DIMM (DDR4)   |
| Memory capacity (min. - max.) | 8 GB - 3072 GB  |
| Memory protection             | Advanced ECC<br>Memory Scrubbing<br>SDDC<br>Rank sparing memory support<br>Memory Mirroring support |

**Memory notes** Memory Mirroring with identical modules in both channel pairs of a bank (6 modules per bank), Rank sparing or Performance Mode with identical modules in all six channels (6 modules per bank).

### Interfaces

|                       |   |
|-----------------------|---|
| USB 3.x ports         | 5 x USB 3.0 (2x front, 2x rear, 1x internal) - for base units with max. drives count: 1x USB 2.0 front only   |
| Graphics (15-pin)     | 2 x VGA (thereof 1x front optional)   |
| Serial 1 (9-pin)      | 1 x serial RS-232-C optional, usable for iRMC or system or shared   |
| Management LAN (RJ45) | 1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s)<br>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<br>For dedicated base units front AND rear storage drives may be connected to a single controller. Please see SystemArchitect for configuration options and restrictions.               |
| SATA Controller               | Intel® C624, 1 x SATA channel for ODD  |
| LAN Controller                | Intel® C624<br>2 x 1 Gbit/s onboard<br>Optional DynamicLoM OCP adaptors:<br>4 x 1 Gbit/s Ethernet (RJ45)<br>2 x 10 Gbit/s Ethernet (RJ45)<br>2 x 10 Gbit/s SFP+<br>4 x 10 Gbit/s SFP+<br>All supported features are described in relevant system configurator. |
| Remote management controller  | Integrated Remote Management Controller (iRMC S5, 512 MB attached memory incl. graphics controller)<br>IPMI 2.0 compatible   |
| GPU / coprocessor             | GFX/GPU support for dedicated base units. Please see relevant SystemArchitect for details and restrictions.  |
| Onboard controller notes      | Onboard 8x S-ATA 6Gbit/s RAID Controller (RAID 0,1) for up to 8x S-ATA drives available.   |
| Trusted Platform Module (TPM) | Infineon / TPM 1.2 or TPM 2.0 module; TCG compliant (option)   |

### Slots

|                     |  |
|---------------------|--|
| PCI-Express 3.0 x8  | 3 x Low profile (2nd processor required for slot 4)  |
| PCI-Express 3.0 x16 | 3 x Low profile (2nd processor required for slot 5 and 6)  |
| Slot Notes          | One PCIe Gen3 x8 slot may be occupied with a Modular RAID controller if configured.<br>Important: 3 PCIe slots are supported with the first processor. 6 PCIe slots are supported with two processors.<br>PCIe riser card options can expand number of slots by two (max. 8 in total) and support max. 4 full height slots.<br>Possible slot length described in relevant system configurator. |

### Drive bays

|                       |  |
|-----------------------|--|
| Storage drive bays    | 3.5-inch or 2.5-inch hot-plug SAS/SATA |
| Accessible drive bays | 1 x 5.25/0.4-inch for CD-RW/DVD        |

---

**Drive bays**

|                         |   |
|-------------------------|---|
| Notes accessible drives | All possible options described in relevant system configurator. |
| Optional hard disk bays | 4x 2.5-inch hot-plug SAS/SATA rear option                       |

---

**General system information**

|                   |                      |
|-------------------|----------------------|
| Number of fans    | 6                    |
| Fan configuration | redundant / hot-plug |
| Fan notes         | 3x2 redundant        |

---

**Operating panel**

|                   |  |
|-------------------|--|
| Operating buttons | On/off switch<br>Reset button<br>NMI button<br>ID button   |
| Status LEDs       | System status (orange / yellow)<br>Identification (blue)<br>Hard disks access (green)<br>Power (amber / green)<br>At system rear side:<br>System status (orange / yellow)<br>Identification (blue)<br>LAN connection (green)<br>LAN speed (green / yellow) |

---

**BIOS**

|               |  |
|---------------|--|
| BIOS features | UEFI compliant<br>Legacy BIOS compatibility customer configuration option<br>Secure boot support<br>ROM based setup utility<br>GPT support for boot drives larger than 2.2 TB<br>Memory Redundancy support (Mirroring, Sparing)<br>IPMI support<br>Recovery BIOS<br>BIOS settings save and restore<br>Local BIOS update from USB device<br>Online update tools for main Linux versions<br>Local and remote update via ServerView Update Manager<br>IPv4/IPv6 remote PXE & iSCSI boot support |
|---------------|--|

---

**Operating Systems and Virtualization Software**


---

|  |   |
|--|---|
| Certified or supported operating systems and virtualization software | Windows Server 2019 Datacenter  |
|  | Windows Server 2019 Standard  |
|  | Windows Server 2019 Essentials  |
|  | Windows Server Datacenter, version 1809   |
|  | Windows Server Standard, version 1809   |
|  | Hyper-V Server 2016   |
|  | Windows Server 2016 Datacenter  |
|  | Windows Server 2016 Standard  |
|  | Windows Server 2016 Essentials  |
|  | Windows Storage Server 2016 Standard  |
|  | Windows Server Datacenter, version 1709   |
|  | Hyper-V Server 2012 R2  |
|  | Windows Server 2012 R2 Datacenter   |
|  | Windows Server 2012 R2 Standard   |
|  | Windows Server 2012 R2 Essentials   |
|  | Windows Storage Server 2012 R2 Standard   |
|  | VMware vSphere™ 6.7   |
|  | VMware vSphere™ 6.5   |
|  | VMware vSphere™ 6.0   |
|  | SUSE® Linux Enterprise Server 12  |
|  | SUSE® Linux Enterprise Server 11  |
|  | Red Hat® Enterprise Linux 8   |
|  | Red Hat® Enterprise Linux 7   |
|  | Red Hat® Enterprise Linux 6   |
| Oracle® Linux 7  |   |
| Oracle® Linux 6  |   |
| Oracle® VM 3   |   |
| Univention Corporate Server 4  |   |
| Operating system release link  | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473</a> |
| Operating system notes   | Support of other Linux derivatives on demand  |

---

**Infrastructure and Server Management**


---

|                              |  |
|------------------------------|--|
| DC Infrastructure Management | <ul style="list-style-type: none"> <li>Infrastructure Manager (ISM) Essential Edition <ul style="list-style-type: none"> <li>Node Management</li> <li>Health status Monitoring and Control</li> <li>Capacity/Threshold Management</li> <li>Power Management</li> <li>Converged Management</li> <li>Auto Discovery</li> <li>Remote Management</li> <li>Update Management</li> <li>Logging and Auditing</li> </ul> </li> <li>ServerView Suite (Deploy) <ul style="list-style-type: none"> <li>ServerView Installation Manager</li> <li>ServerView Scripting Toolkit</li> </ul> </li> <li>ServerView Suite (Control) <ul style="list-style-type: none"> <li>ServerView Operations Manager (incl. PDA and ASR &amp; R)</li> <li>ServerView Agents and CIM provider</li> <li>ServerView Agentless Management</li> <li>ServerView System Monitor</li> <li>SVOM- Event Manager</li> <li>ServerView RAID Manager</li> <li>SVOM- Threshold Manager</li> <li>Power Monitor (monitoring the Power Consumption)</li> <li>Power Management (iRMC)</li> <li>Storage Management (server) with SVOM/SV-RAID</li> </ul> </li> <li>ServerView Suite (Maintain) <ul style="list-style-type: none"> <li>iRMC S5 (Remote Management)</li> <li>System Update Manager (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>Performance management (SVOM)</li> <li>Asset Management</li> <li>Primecollect</li> <li>Customer Self Service</li> <li>Online Diagnostics</li> </ul> </li> <li>ServerView Suite (Integrate) <ul style="list-style-type: none"> <li>ServerView Integration packs for MS System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM</li> </ul> </li> </ul> |
| Server Management            | <ul style="list-style-type: none"> <li>ServerView Suite (Maintain) <ul style="list-style-type: none"> <li>ServerView eLCM</li> <li>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media</li> </ul> </li> <li>ServerView Suite (Dynamize) <ul style="list-style-type: none"> <li>ServerView Virtual IO Manager (SVIOM)</li> </ul> </li> <li>Infrastructure Manager (ISM) <ul style="list-style-type: none"> <li>Automate device configuration</li> <li>Mass OS installation</li> <li>Node Management</li> <li>Health status Monitoring and Control</li> <li>Capacity/Threshold Management</li> <li>Power Management</li> <li>Converged Management</li> <li>Auto Discovery</li> <li>Virtual-IO Management</li> <li>Network topology Management</li> <li>Remote Management</li> <li>Update Management</li> <li>Logging and Auditing</li> <li>Integrate in to <ul style="list-style-type: none"> <li>Enterprise Management</li> <li>Vendor specific Management</li> <li>Monitor 3rd party platforms</li> </ul> </li> </ul> </li> </ul>   |

---

|                  |  |
|------------------|--|
| Management notes | Regarding dependencies for ServerView Suite software products see dedicated product data sheets. |
|------------------|--|

---

**Dimensions / Weight**

|                     |  |
|---------------------|--|
| Rack (W x D x H)    | 482.4 mm (Bezel) / 445 mm (Body) x 770 x 86.6 mm |
| Mounting Depth Rack | 740 mm   |
| Height Unit Rack    | 2 U  |

---

**Dimensions / Weight**

|                           |   |
|---------------------------|---|
| 19" rackmount             | Yes   |
| Mounting Cable depth rack | 200 mm (1,000 mm Rack recommended)                |
| Weight                    | up to 25 kg                                       |
| Weight notes              | Actual weight may vary depending on configuration |
| Rack integration kit      | Rack integration kit as option                    |

**Environment**

|                               |  |
|-------------------------------|--|
| Operating ambient temperature | 5 - 45 °C (41 - 113 °F)  |
| Operating temperature note    | Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. Please use the Fujitsu WebArchitect ( <a href="http://www.fujitsu.com/configurator/public">www.fujitsu.com/configurator/public</a> ) to get detailed information on the corresponding configurations.<br>Ambient temperature limitation may differ for liquid cooled models. Please refer to the SystemArchitect for detailed information. |
| Operating relative humidity   | 10 - 85 % (non condensing)   |
| Operating environment         | FTS 04230 – Guideline for Data Center (installation specification)   |
| Operating environment link    | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a>  |
| Noise emission                | Measured according to ISO 7779 and declared according to ISO 9296  |
| Sound pressure (LpAm)         | Typical noise : 43 dB(A) (idle) / 43 dB(A) (operating)   |
| Sound power (LWAd; 1B = 10dB) | Typical noise : 6.1 B (idle) / 6.0 B (operating)   |
| Noise notes                   | Noise emissions depends on operation modes, system configuration and ambient temperature.<br>Typical hardware configuration which is the base for measurement according to ISO 7779: 2x PSU 450W. 2x CPU Xeon 85W, 4x RAM 16GB, 2x HDD 500GB SATA, 6x LAN 1 Gbit/s   |

**Electrical values**

|                                     |   |
|-------------------------------------|---|
| Power supply configuration          | 1 x hot-plug power supply or 2x hot-plug power supply for redundancy  |
| Hot-plug power supply redundancy    | Optional  |
| Active power (max. configuration)   | 715 W   |
| Apparent power (max. configuration) | 753 VA  |
| Heat emission (max. configuration)  | 2574.0 kJ/h (2439.7 BTU/h)  |
| Rated current max.                  | 7.68 A (100 V) / 2.98 A (240 V)   |
| Active power note                   | To estimate the power consumption of different configurations use the Fujitsu Product Configurator: <a href="http://www.fujitsu.com/configurator/public">www.fujitsu.com/configurator/public</a>  |
| Power supply                        | 450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz<br>800W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz<br>800W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz<br>1200W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 110V range: 1000W, less than 110V: 900W<br>800W hot-plug, 92% (equivalent to Gold efficiency) –48V DC<br>1300W 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.<br>!96% Titanium Power supply unit is only released for 200-240V  |

**Compliance**

|                       |   |
|-----------------------|---|
| Global                | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronical equipment) |
| Germany               | GS  |
| Europe                | CE  |
| USA/Canada            | CSAc/us<br>FCC Class A<br>ICES-003 / NMB-003 Class A  |
| Japan                 | VCCI:V3 Class A + JIS 61000-3-2   |
| Russia                | EAC   |
| South Korea           | KC  |
| China                 | CCC   |
| Australia/New Zealand | RCM   |
| Taiwan                | BSMI  |
| India                 | BIS R41004006   |

## Compliance

|                  |   |
|------------------|---|
| Compliance link  | <a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>   |
| 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.<br>* Warning:<br>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<br>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<br>DVD Super Multi ultra slim, (8x DVD; 24x CD), ultraslim, SATA I   |
| Drives         | SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD<br>SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD<br>SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.4 DWPD<br>SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD<br>SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD<br>SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 3.5-inch, enterprise, 10 DWPD<br>SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD<br>SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 3.5-inch, enterprise, 10 DWPD<br>SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED<br>SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD<br>PCIe-SSD SFF, 750 GB, Write-Intensive, hot-plug, 2.5-inch, Flash drive, 30 DWPD<br>PCIe-SSD SFF, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD<br>PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD<br>PCIe-SSD SFF, 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD<br>HDD SATA, 6 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical<br>HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED<br>HDD SAS, 12 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical<br>HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED<br>HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical<br>HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical |

|   |   |
|---|---|
| RAID Controller                         | PRAID EP580i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 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                                   |
|   | PRAID EP520i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 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 EP540i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 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 EP540e LP, RAID 5/6 Ctrl., SAS 12 Gbit/s, 8 ports ext. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3516  |
|   | Fujitsu PRAID EP540e FH, RAID 5/6 Ctrl., SAS 12 Gbit/s, 8 ports ext. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU based on LSI SAS3516  |
| Fibre Channel controller                | Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Cavium QLE2740 MMF LC-style  |
|   | Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Cavium QLE2742 MMF LC-style  |
|   | Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Emulex LPe32000-M6-F MMF LC-style  |
|   | Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Emulex LPe32002-M6-F MMF LC-style  |
| Communication, Network                  | 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  |
|   | Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® )   |
|   | Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 ( Intel® )   |
|   | Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 ( Mellanox )   |
| Communication, Network                  | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® )  |
|   | Ethernet Ctrl. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® )   |
|   | Ethernet Ctrl. 4 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® )  |
|   | Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® )   |
|   | InfiniBand HCA 1 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox )  |
|   | InfiniBand HCA 2 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed ( Mellanox )  |
| Communication, Network                  | Interface modul for Dynamic LoM 2 x 10 Gbit/s RJ45 ( Intel® )   |
|   | Interface modul for Dynamic LoM 2 x 10 Gbit/s SFP+ ( Intel® )   |
|   | Interface modul for Dynamic LoM 4 x 10 Gbit/s SFP+ ( Intel® )   |
|   | Interface modul for Dynamic LoM 4 x 1 Gbit/s RJ45 ( Intel® )  |
| Graphics                                | 1x Intel® Xeon Phi™ 5110P, N/A  |
| Graphics add on cards                   | NVIDIA® Quadro® P400 , 2 GB, N/A, PCIe x16, 3 x miniDP  |
| Rack infrastructure                     | Rackmount kit full extraction (820mm), tool less mounting, length variable 559-914mm  |
|   | Cable Management for 19-inch DataCenter / PRIMECENTER Racks   |
|   | Cable Arm 2U for PRIMECENTER- and 3rd-party racks   |
| Warranty                                |   |
| Manufacturer warranty period            | 3 years   |
| Warranty type                           | Onsite warranty   |
| Product Support - the perfect extension |   |
| Support Pack Options                    | Globally available in major metropolitan areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time (depending on country)<br>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 <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a>  |
| Service Weblink                         | <a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>   |

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY RX2540 M4, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu PRIMERGY RX2540 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://www.fujitsu.com/fts/products/computing/servers/primergy/rack/rx2540m4/>

## Fujitsu green policy innovation

## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see [http://ts.fujitsu.com/terms\\_of\\_use.html](http://ts.fujitsu.com/terms_of_use.html)

Copyright © Fujitsu Technology Solutions

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

---

Contact  
FUJITSU LIMITED  
Mies-van-der-Rohe-Straße 8  
80807 München  
Germany  
Website: [www.ts.fujitsu.com](http://www.ts.fujitsu.com)  
2025-06-01 CE-EN