

Data Sheet

FUJITSU Server PRIMERGY RX2520 M4 Rack Server

Scalable rack server for essential business apps

FUJITSU Server PRIMERGY will give you the servers you need to power any workload and changing business requirements. As business processes expand so does the need for applications. Each has its own resource footprint, so you need a way to optimize your computing to better serve your users. PRIMERGY systems will help you match your computing capabilities to your business priorities with our complete portfolio of expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers as well as hyper-converged multi-node servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, provide more agility in daily operations, and integrate seamlessly to let help you concentrate on core business functions.

FUJITSU Server PRIMERGY RX rack systems are versatile rack-optimized servers providing best-in-class performance and energy efficiency, and thus form the "standard" in each data center. PRIMERGY RX servers deliver more than 20 years of development and production know-how resulting in extremely low failure rates below market average, and lead to continuous operations and outstanding hardware availability.

PRIMERGY RX2520 M4

The Fujitsu PRIMERGY RX2520 M4 is an efficient and scalable platform for essential business applications. As a dual socket rack server it features the latest Intel® Xeon® Scalable Family processors with up to 384 GB RAM. The PRIMERGY RX2520 delivers an especially well balanced price / performance ratio making it ideal for baseline datacenter workloads i.e. for collaboration platforms or storage-hungry applications. Its compact PRIMERGY 2U modular chassis provides storage demanding applications and services a powerful environment of up to twelve 3.5-inch or up to twenty four 2.5-inch storage drives.

Furthermore, the RX2520 M4 is prepared for individual future demands by offering further various modular options and upgrade kits for LAN, RAID and storage. Power supply units with 96% efficiency and the enhanced iRMC S5 remote management will result in lower operational costs.



Features & Benefits

| Main Features | Benefits |
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| <p>Well-balanced price / performance ratio</p> <ul style="list-style-type: none"> ■ Intel® Xeon® Processor Scalable Family CPUs with up to 14 cores (max. 105W) ■ Up to 384GB DDR4 RAM (12 DIMM slots) and up to 6x PCIe slots <p>Flexible and scalable platform</p> <ul style="list-style-type: none"> ■ Huge number of storage drives of up to 12x 3.5-inch or 24x 2.5-inch storage drives ■ M.2 device support for hypervisor installations or mirroring ■ Modular concept for the base unit as well as a choice for optional LAN controller, RAID controller and power supplies ■ Upgrade kits for hard disk drives, backup devices such as LTO drives <p>Cost efficient operations</p> <ul style="list-style-type: none"> ■ Onboard LAN ■ iRMC S5 comes with new interactive web UI and conforms to Redfish providing unified API support for heterogeneous environment ■ Optional redundant, hot-plug PSU with 96% efficiency (80PLUS Titanium) ■ Fujitsu ServerView Suite offers tools for installation and deployment, permanent status monitoring and control. A wide range of integration packs allow a seamless and easy integration in widely used enterprise management systems | <ul style="list-style-type: none"> ■ Optimal choice of processors for price/performance sensitive environments ■ Good-enough scalability for memory and additional devices for small-scale virtualization or collaboration platforms <p>■ Scalable platform to best meet increasing individual demand optimized to suit serverized storage scenarios</p> <ul style="list-style-type: none"> ■ High storage capacity for storage demanding applications and scale-out scenarios ■ Individual and cost-saving starting configuration: Grow over time within the same system ■ Additional budget saver: Upgrade kits save when companies grow <ul style="list-style-type: none"> ■ Cost-efficient onboard Ethernet connection for almost all tasks ■ Optimized for both: data centers and SMEs can now rely on latest generation iRMC S5 increasing security and server admin productivity ■ Simplified and comprehensive power management that results with the high efficient power supplies in significant savings ■ Fujitsu ServerView Suite provides all the functions for fail-safe, flexible and automated 24x7 server operations and improves end-user productivity via intelligent and innovative system management solutions. |

Technical details

PRIMERGY RX2520 M4

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| Base unit | PRIMERGY RX2520 M4 SFF | PRIMERGY RX2520 M4 SFF | PRIMERGY RX2520 M4 SFF | PRIMERGY RX2520 M4 LFF | PRIMERGY RX2520 M4 LFF |
| Housing types | Rack | Rack | Rack | Rack | Rack |
| Storage drive architecture | 8x 2.5-inch SAS/SATA/PCIe | 16x 2.5-inch SAS/SATA/PCIe | 24x 2.5-inch SAS/SATA/PCIe | 4x 3.5-inch SAS/SATA | 12x 3.5-inch SAS/SATA |
| Power supply | Hot-plug | Hot-plug | Hot-plug | Hot-plug | Hot-plug |
| Product Type | Dual Socket Rack Server | Dual Socket Rack Server | Dual Socket Rack Server | Dual Socket Rack Server | Dual Socket Rack Server |

Mainboard

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| Mainboard type | D3386 |
| Chipset | Intel® C624 |
| Processor quantity and type | 1 - 2 x Intel® Xeon® Processor Scalable Family |
| Mainboard type | D3386 |
| Processor quantity and type | 1 - 2 |

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| Intel® Xeon® Bronze Processor | Intel® Xeon® Bronze 3104 (6C nHT, 1.70 GHz, TLC: 8.25 MB, Turbo: 1.70 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 85 W, AVX Base 1.30 GHz, AVX Turbo 1.30 GHz) |
| | Intel® Xeon® Bronze 3106 (8C nHT, 1.70 GHz, TLC: 11 MB, Turbo: 1.70 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 85 W, AVX Base 1.30 GHz, AVX Turbo 1.30 GHz) |

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| Intel® Xeon® Silver Processor | Intel® Xeon® Silver 4108 (8C, 1.80 GHz, TLC: 11 MB, Turbo: 2.10 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.30 GHz, AVX Turbo 1.30 GHz) |
| | Intel® Xeon® Silver 4110 (8C, 2.10 GHz, TLC: 11 MB, Turbo: 2.40 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.70 GHz, AVX Turbo 2.10 GHz) |
| | Intel® Xeon® Silver 4112 (4C, 2.60 GHz, TLC: 8.25 MB, Turbo: 2.90 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 2.20 GHz, AVX Turbo 2.60 GHz) |
| | Intel® Xeon® Silver 4114 (10C, 2.20 GHz, TLC: 13.75 MB, Turbo: 2.50 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.80 GHz, AVX Turbo 2.20 GHz) |
| | Intel® Xeon® Silver 4116 (12C, 2.10 GHz, TLC: 16.5 MB, Turbo: 2.40 GHz, 9.6 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 1.70 GHz, AVX Turbo 2.10 GHz) |

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| Intel® Xeon® Gold Processor | Intel® Xeon® Gold 5115 (10C, 2.40 GHz, TLC: 13.75 MB, Turbo: 2.80 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 85 W, AVX Base 2.00 GHz, AVX Turbo 2.40 GHz) |
| | Intel® Xeon® Gold 5118 (12C, 2.30 GHz, TLC: 16.5 MB, Turbo: 2.70 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 105 W, AVX Base 1.90 GHz, AVX Turbo 2.30 GHz) |
| | Intel® Xeon® Gold 5120 (14C, 2.20 GHz, TLC: 19.25 MB, Turbo: 2.60 GHz, 10.4 GT/s, Mem bus: 2,400 MHz, 105 W, AVX Base 1.80 GHz, AVX Turbo 2.20 GHz) |
| | Intel® Xeon® Gold 5122 (4C, 3.60 GHz, TLC: 16.5 MB, Turbo: 3.70 GHz, 10.4 GT/s, Mem bus: 2,667 MHz, 105 W, AVX Base 3.30 GHz, AVX Turbo 3.60 GHz) |

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| Processor notes | configurable with up to max. 105W and 14 cores |
| Memory slots | 12 (6 DIMMs per CPU, 6 channels with 1 DIMM per channel) |
| Memory slot type | DIMM (DDR4) |
| Memory capacity (min. - max.) | 8 GB - 384 GB |
| Memory protection | Advanced ECC Memory Scrubbing SDDC |
| Memory notes | max. 6 memory modules/CPU with single or dual-rank RDIMM. Performance Mode with identical modules in all three channels (2 modules per bank). |

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| Memory options | 8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 1Rx4 |
| | 8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx8 |
| | 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 1Rx4 |
| | 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx4 |
| | 16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx8 |
| | 32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,666 MHz, PC4-2666, DIMM, 2Rx4 |
| Interfaces | |
| USB 2.0 ports | 1 x USB 2.0 internal for backup devices |
| USB 3.0 ports | 7 x USB 3.0 (2x front, 4x rear, 1x internal type A) |
| Graphics (15-pin) | 1 x VGA rear |
| Serial 1 (9-pin) | 1 x serial RS-232-C, optional |
| LAN / Ethernet | 2 x Gbit/s Ethernet (RJ45 based on Intel® X722) |
| Management LAN (RJ45) | 1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard Gbit LAN port |
| Onboard or integrated Controller | |
| RAID controller | All hardware storage controller options are described under Components |
| SATA Controller | Intel® C624, 1 x SATA channel for ODD |
| LAN Controller | 2 x 1 Gbit/s onboard PXE-Boot via LAN from PXE server, iSCSI boot (also diskless) |
| Remote management controller | IPMI 2.0 compatible Integrated Remote Management Controller (iRMC S5, 512 MB attached memory incl. graphics controller) |
| 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 |
| PCI-Express 3.0 x16 | 3 x Low profile |
| Slot Notes | Important: The number of PCIe slots depends on the number of CPUs: 3x PCIe x8 Gen 3 with CPU1 1x PCIe x16 Gen 3 with CPU1 2x PCIe x16 Gen 3 with CPU2 |
| Drive bays | |
| Storage drive bays | 2.5-inch base units (max. 24 x 2.5) or 3.5-inch base units (max. 12 x 3.5) |
| Accessible drive bays | 1 x 5.25/0.5-inch for ODD 1 x 5.25/1.6-inch for backup devices |
| Notes accessible drives | All possible options described in relevant system configurator. |
| Drive bays (Base unit specific) | |
| Storage drive bays | 8 x 2.5-inch hot-plug SAS/SATA 16 x 2.5-inch hot-plug SAS/SATA 24 x 2.5-inch hot-plug SAS/SATA 4 x 3.5-inch hot-plug SAS/SATA 12 x 3.5-inch hot-plug SAS/SATA |
| Storage drive bay configuration | optionally expandable to 16x/24x 2.5" HDD/SSD with SAS expander; or with 4x PCIe-SSD SAS expander not required with PRAID EP5xxi not expandable, incl. SAS expander optionally expandable to 8x 3.5" with SAS expander not expandable, incl. SAS expander |
| Accessible drive bays | 1 x 5.25/1.6-inch for 1 x backup drive or 1 x ODD 1 x 5.25/1.6-inch for 1 x backup drive or 1 x ODD 1 x 5.25/1.6-inch for 1 x backup drive or 1 x ODD |
| Optional accessible drives | 1x optical drive, 1x backup drive 1x optical drive, 1x backup drive 1x optical disk drive |
| Fan Configuration | |
| Number of fans | 4 |
| Fan configuration | redundant, non hot-plug |
| Fan notes | expandable with up to 3 double-fan modules; depending on configuration |

Operating panel

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

BIOS

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| BIOS features | ROM based setup utility Recovery BIOS BIOS settings save and restore Local BIOS update from USB device Online update tools for main Linux versions Local and remote update via ServerView Update Manager SMBIOS V2.4 Remote PXE boot support Remote iSCSI boot support |
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Operating Systems and Virtualization Software

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| Certified or supported operating systems and virtualization software | 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™ 6.5 VMware vSphere™ 6.0 SUSE® Linux Enterprise Server 12 Red Hat® Enterprise Linux 7 Red Hat® Enterprise Linux 6 Univention Corporate Server 4 |
| 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 |

Server Management and Infrastructure Management

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| Standard | <ul style="list-style-type: none"> ServerView Suite (Deploy) <ul style="list-style-type: none"> ServerView Installation Manager ServerView Scripting Toolkit ServerView Suite (Control) <ul style="list-style-type: none"> ServerView Operations Manager (incl. PDA and ASR & R) ServerView Agents and CIM provider ServerView Agentless Management ServerView System Monitor SVOM- Event Manager ServerView RAID Manager SVOM- Threshold Manager Power Monitor (monitoring the Power Consumption) Power Management (iRMC) Storage Management (server) with SVOM/SV-RAID ServerView Suite (Maintain) <ul style="list-style-type: none"> iRMC S5 (Remote Management) System Update Manager (BIOS, Firmware, Windows Drives and SV Agents) Performance management (SVOM) Asset Management Primecollect Customer Self Service Online Diagnostics ServerView Suite (Integrate) <ul style="list-style-type: none"> ServerView Integration packs for MS System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM |
| Option | <ul style="list-style-type: none"> ServerView Suite (Maintain) <ul style="list-style-type: none"> ServerView eLCM iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media ServerView Suite (Dynamize) <ul style="list-style-type: none"> Resource Orchestrator- Cloud edition Resource Orchestrator- virtual edition ServerView Infrastructure Management <ul style="list-style-type: none"> Automate device configuration Mass OS installation Node Management Health status Monitoring and Control Capacity/Threshold Management Power Management Converged Management Auto Discovery Virtual-IO Management Network topology Management Remote Management Update Management Logging and Auditing Integrate in to <ul style="list-style-type: none"> Enterprise Management Vendor specific Management Monitor 3rd party platforms |
| Server 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) / 445mm (Body) x 770 x 86.6 mm |
| Mounting Depth Rack | 740 mm |
| Height Unit Rack | 2 U |
| 19" rackmount | Yes |
| 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) |

| Environment | |
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| Operating temperature note | Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. For detailed information see relevant system configurator. |
| Operating relative humidity | 10 - 85 % (non condensing) |
| Operating environment | FTS 04230 – Guideline for Data Center (installation specification) |
| Operating environment link | http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe |
| Noise emission | Measured according to ISO 7779 and declared according to ISO 9296 |
| Sound pressure (LpAm) | Minimum noise : 34 dB(A) (idle) / 34 dB(A) (operating) Typical noise : 36 dB(A) (idle) / 36 dB(A) (operating) |
| Sound power (LWAd; 1B = 10dB) | Minimum noise : 5.76 B (idle) / 5.76 B (operating) Typical noise : 6.1 B (idle) / 6.1 B (operating) |
| Noise notes | Noise emissions depends on operation modes, system configuration and ambient temperature. |
| Electrical values | |
| Power supply configuration | 1x non hot-plug power supply or 2x hot-plug power supply for redundancy |
| Hot-plug power supply redundancy | Optional |
| Active power (max. configuration) | 643 W |
| Apparent power (max. configuration) | 600 VA |
| Heat emission (max. configuration) | 2314.8 kJ/h (2194.0 BTU/h) |
| Rated current max. | 5.5 A (100 V) / 2.5 A (240 V) |
| Active power note | To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/ |
| Power supply | 450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 800W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 800W hot-plug, 92% (equivalent to Gold efficiency) –48V DC 800W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz |
| Power supply notes | Power Safeguard adapts system performance in case the power requirements exceeds supply limits. !96% Titanium Power supply unit is only released for 200-240V |
| Compliance | |
| Global | CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical equipment) |
| Germany | GS |
| Europe | CE |
| USA/Canada | CSAc/us FCC Class A ICES-003 / NMB-003 Class A |
| Japan | VCCI:V3 Class A + JIS 61000-3-2 |
| Russia | EAC |
| South Korea | KC |
| China | CCC (planned) |
| 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

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| Backup Drives | LTO5HH Ultrium, 1,500 GB, 140 MB/s, half height, SAS 6Gb/s |
| | LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s |
| | LTO7HH Ultrium, 2,500 GB, 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 |
| Hard disk drives | HDD SATA, 6 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 10 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| | 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 SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 1 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, 2.5-inch, business critical |
| | HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical |

Hard disk drives

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| HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 900 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-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, 3.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise |
| 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, 15,000 rpm, hot-plug, 3.5-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, 3.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 300 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 |
| HDD SAS, 12 Gb/s, 12 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, business critical |
| HDD SAS, 12 Gb/s, 10 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED |
| HDD SAS, 12 Gb/s, 10 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, enterprise, SED |
| 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, 512e, 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, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED |
| HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical |
| HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-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, 1.8 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 |
| HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise |
| HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED |
| HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical |

Solid-State-Drive

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| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.5 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.5 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.0 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years) |
| SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years) |
| SSD M.2 SATA, 6 Gb/s, 480 GB, non hot plug, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years) |
| SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise |
| SSD M.2 SATA, 6 Gb/s, 150 GB, non hot plug, enterprise, 1.5 DWPD (Drive Writes Per Day for 5 years) |
| SSD M.2 SATA, 6 Gb/s, 150 GB, non hot plug, enterprise |

Dual microSD 64GB Enterprise

SCSI / SAS Controller

| |
|------------------------------------------------------------------|
| LSI PSAS CP400e LP SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8 |
| Fujitsu PSAS CP400i SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8 |

| | |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RAID Controller | Fujitsu PRAID EP580i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s (coming Q1/2018) 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 EP540i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s (coming Q1/2018) 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/SATA 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 EP520i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s (coming Q1/2018) 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3516 |
| | Fujitsu PRAID EP420i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID EP420i for SafeStore, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID EP400i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108 |
| | Fujitsu PRAID CP400i, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 1E, 10, 5, 50, No FBU support |
| 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 |
| | 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 |
| Communication, Network | Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Emulex) |
| | Ethernet Ctrl. 1 x 100 Gbit/s PCIe 3.0 x16 QSFP28 (Cavium) |
| | Ethernet Ctrl. 1 x 100 Gbit/s PCIe 3.0 x16 QSFP28 (Mellanox) |
| | Ethernet Ctrl. 2 x 100 Gbit/s PCIe 3.0 x8 SFP28 (Mellanox) |
| | Ethernet Ctrl. 2 x 10 Gbit/s#25 Gbit/s PCIe 3.0 x8 SFP28 (Cavium) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 10Gbit/s Eth (RJ45) (Emulex) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 RJ45 (Intel®) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Emulex) |
| | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Intel®) |
| | Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 (Intel®) |
| | Ethernet Ctrl. 2 x 40 Gbit/s PCIe 3.0 x16 QSFP (Mellanox) |
| | Ethernet Ctrl. 2 x 50 Gbit/s PCIe 3.0 x8 SFP28 (Intel®) |
| | Ethernet Ctrl. 4 x 10 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®) | |
| Rack infrastructure | Rackmount kit full extraction (820mm), tool less mounting, length variable 559-914mm |
| | Rack Mount Kit |
| | Cable Management for 19-inch DataCenter / PRIMECENTER Racks |
| | Cable Arm 2U for PRIMECENTER- and 3rd-party racks |
| Warranty | |
| Warranty period | 3 years |
| Warranty type | Onsite warranty |
| Warranty Terms & Conditions | www.fujitsu.com/support |
| Product Related Services - the perfect extension | |
| Support Pack Options | - Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time (depending on country) 24x7, 4h Onsite Response Time (depending on country) |

Warranty

Recommended Service - 24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.

Service Lifecycle 5 years after end of product life

Service Weblink <http://www.fujitsu.com/fts/products/product-support-services/>

More information

Fujitsu products, solutions & services

In addition to FUJITSU Server PRIMERGY RX2520 M4, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

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Computing Products

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Software

www.fujitsu.com/software/

More information

Learn more about FUJITSU Server PRIMERGY RX2520 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://www.fujitsu.com/primergy>

Fujitsu green policy innovation

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2018-07-04 WW-EN

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