Fsas Technologies
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Data Sheet
PRIMERGY RX2540 M8 Rack Server

The sustainable data center standard without compromise

PRIMERGY portfolio offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. PRIMERGY server systems deliver workload-optimized x86 industry standard servers for any workload and business demand. Since there is no single server solution to meet all these needs, PRIMERGY provides a broad server portfolio consisting of expandable tower servers for remote and branch offices and versatile rack-mount servers. 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 RX2540 M8

The PRIMERGY RX2540 M8 is a dual-socket x86 server delivering exceptional performance and expandability in a compact 2U chassis, forming the valuable standard in every modern data center. With a focus on environmental sustainability, it features improved thermal conditions, lowers power consumption, and effectively reduces operational costs. It utilizes the latest technological developments to run nearly every workload from the most basic to business-critical applications, depending on the chosen configuration.
Equipped with the latest Intel® Xeon® 6 Processors with P-cores, supporting up to 86 P-cores per CPU, Compute Express Link (CXL) 2.0, and UPI speeds up to 24 GT/s, with a remarkable 40% performance boost over the previous generation. The server offers 32 DDR5 DIMM slots (up to 8TB of memory capacity). Its modular design allows for flexible storage options with 12x 3.5" SAS/SATA, or up to 24x 2.5" SAS/SATA/NVMe devices, along with M.2 hot-plug modules for easy serviceability. Designed for demanding workloads like AI and HPC, the RX2540 M8 features up to 8x PCIe Gen5 slots, supporting modular SAS4.0 RAID, flexible PCIe riser solutions, and powerful GPU configurations (up to 2x double-width or 6x single-width).
Enterprise data centers benefit from the RX2540 M8's efficient power management and security features, including hot-plug 80+ Titanium PSUs, optimized fan options, iRMC S6 server management, and an optional intrusion switch. The PRIMERGY RX2540 M8 is a reliable server for business-critical workloads like collaboration, business processing, machine learning, and in-memory databases, where performance, expandability, and efficiency are paramount.

Features & Benefits

Main Features	Benefits
Reliable scalability and performance	
■ Supports a diverse range of Intel® Xeon® 6 Processors (6500P/6700P-series CPU), offering up to 86 P-cores (depending on SKU), 8 memory channels, up to 4 Intel® Ultra Path Interconnect (UPI 2.0 at 24 GT/s), and PCI-Express 5.0 with up to 88 lanes (per socket), enabling significantly higher performance and efficiency.	■ 2U, dual-socket platform that provides scalability and performance to adapt to a variety of applications. Drive demanding workloads by Intel® Xeon® 6 Processors with P-cores, supporting up to 86 P-cores per CPU.
Accelerate IT transformation	
■ DDR5 DIMM modules (@ 6,400 MT/s) or MRDIMM (@ 8,000 MT/s) technology are supported on Intel® Xeon® 6 Processors with P-cores and create a high-performing, large memory capacity of 8TB across 32 slots that helps turn more data into actionable insights with the RX2540 M8.	■ Transform your data center for modern operations and drive demanding workloads with 32 DIMM modules (up to 8TB). With DDR5 DIMM or MRDIMM memory for fast throughput and high-capacity memory for memory-intensive workloads.
Extensive expandability	
■ Expand with up to 8x PCIe 5.0 slots, support for M.2 hot-plug module, and OCP v3 small form factor solution. The server can be equipped with up to six NVIDIA GPU cards (depending on the card). Moreover, different available base units with 12x 3.5-inch or up to 16/24x 2.5-inch support provide massive expandability. Our server systems are built to scale easily to be able to adapt to a variety of applications and meet upcoming demands.	■ Maximize storage performance with 12x 3.5" or up to 24x 2.5" storage devices and ensure application performance scales to meet demands. Up to 8x PCIe 5.0 slots, OCP v3 adapters, and support for 2x M.2 hot plug modules also ensure enough growth opportunities.
Focus on environmental sustainability	
■ The PRIMERGY M8 Servers feature hot-plug 80+ Titanium PSUs and optimized cooling. Entry or Performance fans are selected based on configuration, ensuring efficient heat dissipation.	■ Reduce power consumption and operational costs with hot-plug 80+ Titanium PSUs and optimized cooling. Featuring configuration-specific Entry or Performance fans for efficient heat dissipation – enabling organizations to move to more sustainable data centers without compromising performance.
Comprehensive protection and Infrastructure Management	
■ PRIMERGY servers provide robust security features and high availability for continuous operation: UEFI Secure Boot, TPM 2.0, iRMC S6 server management, and optional intrusion switch. ■ Infrastructure Manager (ISM) offers holistic management, with a free Essential version for basic monitoring and a full-featured Advanced version for comprehensive control and sustainability monitoring.	■ Benefit from advanced hardware-enhanced security like Platform Firmware Resilience (PFR) and encryption for robust data and VM protection. Unified management via ISM offers centralized control over your entire infrastructure, simplifying security and operations.

Technical details

PRIMERGY RX2540 M8						
Base Unit	PRIMERGY RX2540 M8 SFF	PRIMERGY RX2540 M8 LFF	PRIMERGY RX2540 M8 SFF	PRIMERGY RX2540 M8 SFF	PRIMERGY RX2540 M8 SFF	PRIMERGY RX2540 M8 SFF
Housing Type	Rack	Rack	Rack	Rack	Rack	Rack
Storage Drive Architecture	8x 2.5-inch SAS/ SATA/PCIe	12x 3.5-inch SAS/ SATA	16x 2.5-inch SAS/ SATA/PCIe	24x 2.5-inch SAS/ SATA	24x 2.5-inch PCIe	16x 2.5-inch SAS/ SATA/PCIe
Power Supply	Hot-plug	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	Dual Socket Rack Server
Mainboard Type	D4135					
Processor Quantity and Type	1 - 2 x Intel® Xeon® 6500P processors / Intel® Xeon® 6700P processors					
Processor	Intel® Xeon® processor 6787P (86C, 2.0 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6781P (80C, 2.0 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6767P (64C, 2.4 GHz, up to 3.9 GHz, 24 GT/s)					
	Intel® Xeon® processor 6761P (64C, 2.5 GHz, up to 3.9 GHz, 24 GT/s)					
	Intel® Xeon® processor 6760P (64C, 2.2 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6747P (48C, 2.7 GHz, up to 3.9 GHz, 24 GT/s)					
	Intel® Xeon® processor 6745P (32C, 3.1 GHz, up to 4.3 GHz)					
	Intel® Xeon® processor 6741P (48C, 2.5 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6740P (48C, 2.1 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6737P (32C, 2.9 GHz, up to 4.0 GHz, 24 GT/s)					
	Intel® Xeon® processor 6736P (36C, 2.0 GHz, up to 4.1 GHz, 24 GT/s)					
	Intel® Xeon® processor 6730P (32C, 2.5 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6530P (32C, 2.3 GHz, up to 4.1 GHz, 24 GT/s)					
	Intel® Xeon® processor 6527P (24C, 3.0 GHz, up to 4.2 GHz, 24 GT/s)					
	Intel® Xeon® processor 6520P (24C, 2.4 GHz, up to 4.0 GHz, 24 GT/s)					
	Intel® Xeon® processor 6517P (16C, 3.2 GHz, up to 4.2 GHz, 24 GT/s)					
	Intel® Xeon® processor 6515P (16C, 2.3 GHz, up to 3.8 GHz, 24 GT/s)					
	Intel® Xeon® processor 6507P (8C, 3.5 GHz, up to 4.3 GHz, 24 GT/s)					
	Intel® Xeon® processor 6505P (12C, 2.2 GHz, up to 4.1 GHz, 24 GT/s)					
Processor Notes	No mixing of processor models/types					
Memory Slots	32 (16 DIMMs per CPU, 8 channels with 2 slots per channel)					
Memory Type	RDIMM (DDR5) MRDIMM					
Memory Capacity (min. - max.)	16 GB - 8 TB					
Memory Protection	ECC Memory Scrubbing SDDC ADDDC (Adaptive Double DRAM Device Correction) Memory Mirroring support					
Standard Memory Modules	16 GB (1 module(s) 16 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 1Rx8					
	32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 1Rx4					
	32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx8					
	32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, MRDIMM, 2Rx8					
	64 GB (1 module(s) 64 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4					
	64 GB (1 module(s) 64 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, MRDIMM, 2Rx4					
	96 GB (1 module(s) 96 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4					
	128 GB (1 module(s) 128 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4					
	256 GB (1 module(s) 256 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, 3DS DIMM, 4Rx4					

USB 2.x Ports	1 x USB 2.0, Type A (1x front for dedicated iRMC connection)
USB 3.x Ports	5 x USB 3.2 Gen1x1 (5Gbit/s) (1x front, 2x rear, 2x internal)
Onboard Graphics	2 x DisplayPort 1.1a 1x rear 1x front (not available on 12x 3.5" or 24x 2.5" drive base units)
Serial Port	1 x DB9 Serial (optional)
Onboard LAN	1 x 1GbE
Management LAN	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.
RAID Controller	RAID/HBA controller options are listed under "Components"
LAN Controller	1 x 1 Gbit/s onboard Dynamic LoM via OCP slot; OCPv3 compliant Optional OCP adapters: 4 x 1 Gbit/s Ethernet (RJ45) 2 x 10 Gbit/s Ethernet (RJ45) 4 x 10 Gbit/s Ethernet (RJ45) 2 x 10 Gbit/s SFP+ 4 x 10 Gbit/s SFP+ 2 x 25 Gbit/s SFP28 4 x 25 Gbit/s SFP28 2x 100 Gbit/s QSFP28 All LAN controllers (for OCP slots and PCIe slots) are described under Components. For details, please refer to the relevant system configuration guide.
Remote Management Controller	Integrated Remote Management Controller (iRMC S6, 1024 MB attached memory incl. graphics controller)
GPU Support	GPU/Graphics support varies by base unit and system configuration - consult the system configurator for details
Trusted Platform Module (TPM)	Infineon / TPM 2.0 module, FIPS; TCG compliant (option)
PCI-Express 5.0 x8	5 x Low Profile (up to)
PCI-Express 5.0 x16	4 x Low Profile
Slot Notes	Slot int. (default) 1x PCIe 5.0 x16 n/a @CPU1 (internal RAID controller only) Slot 1 (default) 1x PCIe 5.0 x16 HHHL @CPU1 (alternatively hot-plug M.2 carrier module) Slot 2/3 (optional) 2x PCIe 5.0 x8 FHHL @CPU1 Slot 2/3 (optional) 2x PCIe 5.0 x8 HHHL @CPU1 (with rear drive cage configuration only) Slot 3 (optional) 1x PCIe 5.0 x16 FHFL @CPU1 (dedicated to DW GPU #1, slot 2 not available) Slot 4 (optional) 1x PCIe 5.0 x16 HHHL @CPU2 Slot 5 (optional) 1x PCIe 5.0 x8 HHHL @CPU2 (not available with rear drive configuration) Slot 6 (optional) 1x PCIe 5.0 x16 HHHL @CPU2 (alternatively hot-plug M.2 carrier module) Slot 7/8 (optional) 2x PCIe 5.0 x8 FHHL @CPU2 Slot 7/8 (optional) 2x PCIe 5.0 x8 HHHL @CPU2 (with rear drive cage configuration only) Slot 7 (optional) 1x PCIe 5.0 x16 FHFL @CPU2 (dedicated to DW GPU #2, slot 8 not available) System slot population and availability are determined by the base unit and drive configuration - consult the system configurator for details
Storage Drive Bays	up to 8x 2.5-inch, 16x 2.5-inch, 24x 2.5-inch, 12x 3.5-inch base units
Accessible Drive Bays	1 x 5.25/9.5mm for DVD-RW/Blu-ray
Accessible Drive Bays Notes	not available on 12x 3.5" or 24x 2.5" drive base units - consult the system configurator for details
Optional Drive Bays	6x 2.5-inch hot-plug SAS/SATA/PCIe
Optional Accessible Drives	hot-plug M.2 carrier module

Drive Bays (Base Unit Specific)

Storage Drive Bays	8 x 2.5-inch hot-plug SAS/SATA/PCIe	12 x 3.5-inch hot-plug SAS/SATA	16 x 2.5-inch hot-plug SAS/SATA/PCIe	24 x 2.5-inch hot-plug SAS/SATA	24 x 2.5-inch hot-plug SAS/SATA/PCIe
Optional Accessible Drives	ODD 5.25" possible	ODD 5.25" NOT possible	ODD 5.25" possible	ODD 5.25" NOT possible	ODD 5.25" NOT possible

Number Of Fans	6
Fan Configuration	redundant / hot-plug
Fan Notes	n+1 redundant

Operating Buttons	On/off switch Reset button NMI button ID button
Status LEDs	At system front side: Power (DC-On: green / AC-On: white) Global error (orange) Identification (blue) PSU redundant (green) CSS (orange) At system rear side: System status (green) Identification (blue) Global error (orange) LAN connection (green) LAN speed (green / yellow)
Certified or supported operating systems and virtualization software	SUSE® Linux Enterprise Server 15
	Windows Server 2025 Datacenter
	Windows Server 2025 Standard
	Windows Server 2022 Datacenter
	Windows Server 2022 Standard
	VMware vSphere™ 9
	VMware vSphere™ 8.0
	SUSE® Linux Enterprise Server 16
Operating System Release Link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating System Notes	Support of other Linux derivatives on demand
	Use of certified or supported operating systems and virtualization software is subject to proactive acceptance of the respective License Agreements/ EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.
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)
Server Management Notes	For further information regarding ISM see dedicated data sheets.
Rack (W x D x H)	482 mm (Bezel) / 435 mm (Body) x 770 x 87 mm
Mounting Depth Rack	779 mm
Height Unit Rack	2 U
19″ rackmount	Yes
Weight	max. 35.6 kg
Weight Notes	Actual weight may vary depending on configuration
Rack Integration Kit	Rack integration kit as option
Environmental compliance	
Operating Temperature Notes	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 WebArchitect (www.fujitsu.com/configurator/public) to get detailed information on the corresponding configurations.
Operating Relative Humidity	8 - 85 % (non condensing)
Noise Emission	Measured according to ISO 7779 and declared according to ISO 9296
Sound Pressure (LpAm)	Typical configuration: 38 dB(A) (idle) / 44 dB(A) (operating) Maximum configuration: 65 dB(A) (idle) / 69 dB(A) (operating)
Sound Power (LWAd; 1B = 10dB)	Typical configuration: 5.2 B (idle) / 5.8 B (operating) Maximum configuration: 7.9 B (idle) / 8.3B (operating)
Noise Emission Notes	Noise emissions depends on operation modes, system configuration and ambient temperature

Power Supply Configuration	1 x hot-plug power supply or 2 x hot-plug power supply for redundancy
Hot-Plug Power Supply Redundancy	Optional
Active Power (max. configuration)	4,584 W
Apparent Power (max. configuration)	4636 VA
Heat emission (max. configuration)	16502.4 kJ/h (15641.2 BTU/h)
Active Power Note	To estimate the power consumption of different configurations please use the WebArchitect:www.fujitsu.com/configurator/public
Power Supply	900W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 900W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 1600W hot-plug, 96% (Titanium efficiency), 100-240V, 50 / 60Hz; 100V range: 1000W 1600W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz; 100V range: 1000W 2400W hot-plug, 96% (Titanium efficiency), 100-240V, 50 / 60Hz; 100V range: 1000W 1300W hot-plug, 94% (equivalent to Platinum efficiency) –48V DC 1600W hot plug, 94% (equivalent to Platinum efficiency) 380V DC
Power Supply Notes	Power Safeguard adapts system performance in case the power requirements exceeds supply limits. Platinum rated PSUs are only available in APAC/Japan market.
Product	PRIMERGY RX2540 M8
Model	PR300F
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical equipment)
Germany	GS
Europe	CE
USA/Canada	NRTLc/us FCC Class A ICES-003 / NMB-003 Class A
Japan	VCCI Class A + JIS 61000-3-2
South Korea	KC
China	CCC
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.
Manufacturer	Fsas Technologies Inc. 13-2, Nakamaruko, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-0012, Japan

Components

Backup Drives	LTO8HH Ultrium, 12 TB, 300 MB/s, half height, SAS 6Gb/s
	LTO9HH Ultrium, 18 TB, 300 MB/s, half height, SAS 12Gb/s
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, 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, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
	SSD SAS, 22.5Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD

SSD SAS 3.5-inch	SSD SAS, 22.5Gb/s, 6.4 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD
	SSD SAS, 22.5Gb/s, 3.2 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD
	SSD SAS, 22.5Gb/s, 1.6 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD
SSD SATA 2.5-inch	SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
	SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.5 DWPD
	SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 5.0 DWPD
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
SSD SATA 3.5-inch	SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.5 DWPD
	SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 5.0 DWPD
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD
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, 1.2 TB, 10,000 rpm, 512n, 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, 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, 20 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical, SED
	HDD SAS, 12 Gb/s, 20 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, 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, SED
	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 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical
PCIe SSD	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, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
SED	HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED
SCSI / SAS Controller	PSAS CP700i LP SAS Ctrl. 24 Gbit/s 16 ports int. PCIe 4.0 x8
	PSAS CP600i LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
	PSAS CP600e LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
	PSAS CP600e FH SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
	PSAS CP 2200-16i LP SAS Ctrl. PCIe 3.0 x8
	PSAS CP 2200-16i LP Host Bus Adapter 24 Gbit/s 16 GT/s 16 ports int.

RAID Controller	pre-configured RAID1 Array for M.2 in PDUAL,
	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
	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
	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
	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
	PRAID EP 3252-8i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU
	PRAID CP700i LP, RAID 0/1 Ctrl., SAS/SATA 24 Gbit/s, 16 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 Qlogic QLE2870-FJ-BK MMF LC-style
	Fibre Channel Host Bus Adapter 2 x Qlogic QLE2872-FJ-BK MMF LC-style
	Fibre Channel Host Bus Adapter 1 x Emulex LPE36000-M64-F MMF LC-style
	Fibre Channel Host Bus Adapter 2 x Emulex LPE36002-M64-F MMF LC-style
	Fibre Channel Host Bus Adapter 2 x Emulex LPE36000-M64-F MMF LC-style
	Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Qlogic QLE2690 LC-style
	Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QLE2692 LC-style
	Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Emulex LPe31000-M6-F MMF LC-style
	Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Emulex LPe31002-M6-F MMF LC-style
GPU Computing Card	NVIDIA® H200 NVL, 4.8 TB/s, 141GB HBM3e, N/A, PCIe x16
	NVIDIA RTX PRO 6000 Blackwell Server Edition, 864 GB/s, 96GB GDDR7, N/A, PCIe x16
	NVIDIA® A16, 64 GB, 800GB/s (4 x200GB/s), 64GB GDDR6 (4 x16GB), N/A, PCIe 4.0 x16
	NVIDIA® L4, 300 GB/s, 24GB GDDR6, N/A, PCIe 4.0 x16
Rack Infrastructure	Cable Arm 2U for PRIMECENTER- and 3rd-party racks
	Rackmount kit full extraction (869mm). tool less mounting for general use, length variable 552-898mm. If consider to shipment with Rack and earthquake, suggest to fix RMK with security screw.

Notes	
Compatibility	If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.
Continuity management	The product may in connection with and depending on the specific configuration include elements to support time- and performance-critical applications, however high availability (e.g., 99.9999%) and failsafe performance is not a standalone product feature. If and to the extent the product is to be used in such business-critical environments, it is within the sole responsibility of the user to set up the specific additional technical features (e.g., Storage Cluster), redundancies, and operational conditions as required to ensure such high availability or failsafe performance.
Security	The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fsas Technologies Inc. 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	https://support.ts.fujitsu.com/IndexWarranty.asp?lng=EU
Product Support - the perfect extension	

Warranty	
Recommended Service	24x7 Onsite Service with 4h Onsite Response Time
Service Lifecycle	at least 5 years after shipment, for details see https://support.ts.fujitsu.com/
Service Weblink	https://eu.fsastech.com/eu/products-services/infrastructure-services/product-related-services/

More information

Fsas Technologies products, solutions & services

In addition to PRIMERGY RX2540 M8, Fsas Technologies provides a range of platform solutions. They combine reliable Fsas Technologies products with the best in services, know-how and worldwide partnerships.

Fsas Technologies Portfolio
Built on industry standards, Fsas Technologies offers a full portfolio of datacenter hardware, software and related services. This allows customers to select alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Data Center Solutions
https://eu.fsastech.com/eu/

More information

Learn more about PRIMERGY RX2540 M8, please contact your Fsas Technologies sales representative or Business partner, or visit our website.
https://eu.fsastech.com/eu/products-services/primergy-servers/primergy-rx2540-m8/

Fsas Technologies sustainability policy

Our product portfolio is developed with a commitment to environmental responsibility. For detailed product environmental information, please visit: https://eu.fsastech.com/eu/about-us/sustainability/

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Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.
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