# FUJITSU

## Data Sheet PRIMERGY RX4770 M6 Rack Server

### Backend Infrastructure Powering Digital Transformation

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 RX4770 M6

The Fujitsu PRIMERGY Server RX4770 M6 is a quad-socket x86 system providing superior levels of scalability in a 3U chassis. The PRIMERGY RX4770 M6 accelerates business insights and delivers unprecedented performance for inmemory database, Cloud services and analytics. Powered by the 3rd Generation Intel® Xeon® Scalable Processors with up to 28 cores/CPU and large memory capacity provided by 48 DIMM slots in total supporting 15 TB memory, the server delivers outstanding results for demanding applications. Beside the DDR4 modules with memory speeds up to 3,200 MT/s, it is also possible to combine them with Intel<sup>®</sup> Optane<sup>™</sup> persistent memory 200 series that delivers a unique combination of affordable large capacity and support for data persistence. The RX4770 M6 offers versatile resources that allows to meet changing business demands. Up 24x 2.5" SAS/ SATA/NVMe options provide enough capacity to handle storage demanding applications. The







possibility of using up to two double width, full-





🤲 redhat



**vm**ware<sup>\*</sup>

### Features & Benefits

### **Main Features**

### POWER YOUR BUSINESS-CRITICAL WORKLOADS

Wide choice of different available types of 3rd Generation Intel® Xeon® Scalable processors. Each processor offers up to 28 cores, 12 memory channels, up to 6 Intel® Ultra Path Interconnect (Intel® UPI) and PCI Express 3 with up to 48 lanes (per socket) enabling a significantly higher performance and efficiency.

### SCALABLE APPLICATION PERFORMANCE

- New Intel® Optane<sup>™</sup> persistent memory 200 series improves workload performance and power efficiency while reducing data loss and downtime with enhanced error handling. The modules revolutionizes the data center memory-storage hierarchy of the past and bring massive data sets closer to the CPU for faster time to insight. In total, up to 15 TB GB main memory in a mixed mode (non-volatile memory + DDR4 @ 3,200 MT/s) are available.
- FLEXIBLE EXPANDABILITY AND RELIABILITY
- PRIMERGY RX4770 M6 comes with DynamicLoM via OCP V3 as well as flexible PCIe riser cards with support for up to 11 x PCIe Gen3 slots. Different available base units with 8x 2.5-inch, 16x 2.5-inch or up to 24x 2.5-inch storage drive bays provide massive expandability. In addition, it is possible to equip the system with up to 2 double width full length GPU cards. Built-in redundancy and hot-pluggable components, Advanced ECC, Memory Scrubbing and SDDC ensure reliable and fail-safe operation. SECURE AND RELIABLE
- PRIMERGY servers are equipped with beneficial features to protect against, detect and recover from security breaches (PFR, UEFI Secure Boot, TPM 2.0, signed firmware updates, agent-free device management, secure authorization and authentication, alerting and logging, secure Out of Band Management with iRMC S5, ...). AGILE INFRASTRUCTURE MANAGEMENT
- Infrastructure Manager (ISM) provides seamless, holistic management ensuring that IT infrastructures retain the dynamic flexibility required to support ever-changing business demands. Two versions of ISM are available. ISM Advanced is a powerful, fully featured version offering comprehensive infrastructure management capabilities such as support for multiple hardware configurations, physical and virtual network connection indicators and firmware baseline updates. A free entry-level version, ISM Essential, provides essential monitoring and firmware update of all supported devices, including servers, storage and network switches.

### Benefits

- PRIMERGY RX4770 M6 server provides 4 processor computing in a 3U form factor, accelerates business insights and delivers maximum performance per node with highest memory bandwidth and IO lanes for your most demanding applications. Moreover, a flexible processor tray allows to start with two CPU's and scale to four processors in the future saving on upfront costs.
- Address large data sets with up to 48 DIMMs (24 of which can be Intel® Optane™ PMem) and up to 15 TB of memory. Intel® Optane™ persistent memory provide fast, high capacity and cost effective memory for memory intensive workloads such as AI and data analytics.
- The flexible drive cage design supports up to 24x 2.5" SAS/ SATA/NVMe storage drives. Sufficient expandability for future requirements is guaranteed by PCIe 3.0 expansion slots for graphical processing units (GPUs) and all kinds of networking cards offering increased I/O bandwidth and to be able to cope with graphic-intensive applications. Choice of DynamicLoM adapters offers range of networking bandwidth (1GbE to 25GbE) to be able to adapt and grow to changing business needs.
- The integrated Platform Firmware Resilience (PFR) feature provides a platform root of trust and thus helps to protect platform firmware, detect corruptions, and restore back to a known-good state.
- Infrastructure Manager (ISM) enables organizations to have centralized control over the entire data center that includes servers, storage, networking, cloud management software as well as power and cooling using a single user interface.

### **Technical details**

PRIMERGY RX4770 M6				
Base unit	PRIMERGY RX4770 M6	PRIMERGY RX4770 M6	PRIMERGY RX4770 M6	PRIMERGY RX4770 M6
Housing types	Rack	Rack	Rack	Rack
Storage drive architecture	8x 2.5-inch SAS/SATA/PCle	16x 2.5-inch SAS/SATA/PCle	24x 2.5-inch SAS/SATA/PCle	16x 2.5-inch SAS/SATA/PCIe
Power supply	Hot-plug	Hot-plug	Hot-plug	Hot-plug
Product Type	Quad Socket Rack Server	Quad Socket Rack Server	Quad Socket Rack Server	Quad Socket Rack Server
Notes				Platform Firmware Resilience Model
Mainboard				
Mainboard type	D3892			
Chipset	Intel® C621A			
Processor quantity and type	2 or 4 x Intel® Xeon® Gold 53 processors / Intel® Xeon® Pla	2 or 4 x Intel® Xeon® Gold 53xxH processors / Intel® Xeon® Gold 63xxH processors / Intel® Xeon® Platinum 83xxH processors / Intel® Xeon® Platinum 83xxHL processors		
Processor notes	A mimimum of 2 processors	A mimimum of 2 processors must be configured, no mix of different processor types		
Memory slots	48 (12 DIMMs per CPU, 6 ch	annels with 2 slots per channe	21)	
Memory slot type	DIMM (DDR4 RDIMM, LRDIN	1M and Intel® Optane™ PMem	)	
Memory capacity (min max.)	16 GB - 15 TB			
Memory protection	ECC Memory Scrubbing SDDC ADDDC (Adaptive Double D Memory Mirroring support	ECC Memory Scrubbing SDDC ADDDC (Adaptive Double DRAM Device Correction) Memory Mirroring support		
Memory notes	Max. 6 slots populated with PMem modules per CPU, please see relevant system configurator for details.			
Interfaces				
USB 3.x ports	5 x USB 3.0 (2x front, 2x rear, 1x internal)			
Graphics (15-pin)	2 x VGA (1 x front, 1 x rear)			
Serial 1 (9-pin)	1 x RS-232-C			
Management LAN (RJ45)	1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s)			
Onboard or integrated Controller				
RAID controller	All hardware storage contro	ller options are described und	ler Components	
SATA Controller	Intel <sup>®</sup> C621A, 1x SATA chanr	nel for ODD, 2x SATA channel f	or M.2 and 8x SATA channel fo	or HDD/SSD
LAN Controller	Dynamic LoM via OCP slot; OCPv3 compliant Optional OCP adaptors: 2 x 10 Gbit/s Ethernet (RJ45) 2 x 10 Gbit/s SFP+ 4 x 10 Gbit/s SFP+ 2 x 25 Gbit/s QSFP28 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 S5, 512 MB attached memory incl. graphics controller) IPMI 2.0 compatible			
Trusted Platform Module (TPM)	Infineon / TPM 2.0 module;	ICG compliant (option)		
Slots				
PCI-Express 3.0 x16	11 x whereas 4x full height and 7x low profile			
Slot Notes	Important note: 7 PCIe slots with the third and forth pro Slot 1&2: PCIe Gen3 x16 @C Slot 3&4: PCIe Gen3 x8 / Slo Slot 7&8: PCIe Gen3 x8 / Slo Slot 10&11: PCIe Gen3 x16 @	are supported with the first a cessors. PU4 for full height profile card t 5: PCle Gen3 x16 @CPU1 for t6&9: PCle Gen3 x16 @CPU2 fo @CPU3 for full height cards	nd second processor. Addition ls low profile cards or low profile cards	hal 4 PCIe slots are supported

PCI-Express 3.0 x4					
PCI-Express 3.0 x8	4 x	4 x	4 x	4 x	
PCI-Express 3.0 x16	7 x	7 x	7 x	7 x	
Drive bays					
Storage drive bays	2.5-inch hot-plug SAS/SATA 2 x M.2 slots	2.5-inch hot-plug SAS/SATA/PCIe 2 x M.2 slots			
Notes accessible drives	All possible options describ	ed in relevant system configu	rator.		
Optional accessible drives	1 x 5.25/9.5mm for DVD-RW	//Blu-ray			
Drive bays (Base unit specific)					
Storage drive bays	8 x 2.5-inch hot-plug SAS/ SATA/PCIe	16 x 2.5-inch hot-plug SAS/ SATA/PCle	24 x 2.5-inch hot-plug SAS/ SATA/PCle	16 x 2.5-inch hot-plug SAS/ SATA/PCIe	
General system information					
Number of fans	4				
Fan configuration	hot-plug				
Operating panel					
Operating buttons	On/off switch NMI button Reset button ID button				
Status LEDs	At system front side: Power (DC-On: green / AC-O Global error (orange) Identification (blue) Hard disks access (green) CSS (orange) At system rear side: System status (green) CSS (orange) Identification (blue) Global error (orange) LAN connection (green) LAN speed (green / yellow)	At system front side: Power (DC-On: green / AC-On: white) Global error (orange) Identification (blue) Hard disks access (green) CSS (orange) At system rear side: System status (green) CSS (orange) Identification (blue) Global error (orange) LAN connection (green) LAN speed (green / yellow)			
BIOS					
BIOS features	UEFI compliant Secure boot support ROM based setup utility GPT support for boot drives Memory Redundancy supp IPMI support Recovery BIOS BIOS settings save and resto Local BIOS update from USE Online update tools for mai Local and remote update vi IPv4/IPv6 remote PXE & iSC Cryptographically Signed B HTTP and HTTPS Boot PCIe Bifurcation configurab	s larger than 2.2 TB ort (Mirroring) B device In Linux versions Ia ServerView Update Manage SI boot support IOS Firmware Update	r		

Operating Systems and Virtualization Sof	tware		
Certified or supported operating systems	Windows Server 2022 Datacenter		
and virtualization software	Windows Server 2022 Standard		
	Windows Server 2019 Datacenter		
	Windows Server 2019 Standard		
	Hyper-V Server 2016		
	Windows Server 2016 Datacenter		
	Windows Server 2016 Standard		
	VMware vSphere <sup>™</sup> 8.0		
	VMware vSphere <sup>™</sup> 7.0		
	SUSE® Linux Enterprise Server 15		
	SUSE® Linux Enterprise Server 12		
	Red Hat® Enterprise Linux 8		
	Red Hat® Enterprise Linux 7		
	Oracle® Linux 7		
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 applicab 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	Infrastructure Manager (ISM) Essential Edition Advanced Edition ServerView Suite		
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-e38e7b42fee6		
Dimensions / Weight			
Rack (W x D x H)	482.7 mm (Bezel) / 435 mm (Body) x 800 x 129.4 mm		
Mounting Depth Rack	830.7 mm		
Height Unit Rack	3 U		
19" rackmount	Yes		
Weight	max. 40 kg		
Weight notes	Actual weight may vary depending on configuration		
Rack integration kit	Rack integration kit as option		
	Natform Firmura Daciliance Madel		
Notes			
Environment			
Operating temperature note	Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. Please use the Fujitsu WebArchitect (www.fujitsu.com/configurator/public) to get detailed information on the corresponding configurations.		
Operating relative humidity	8 - 85 % (non condensing)		
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)		
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)	40.6 dB(A) (idle) / 47.7 dB(A) (operating) typical Values		
Sound power (LWAd; 1B = 10dB)	6.0 B (idle) / 6.6 B (operating) typical Values		
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature. Operating mode measured based on OLTIS with 50% load. *OLTIS = FUJITSU Load Profile which stresses all components of a server with a given load level.		

Environmental (Base unit specific)				
Operating ambient temperature	5 - 45 °C	5 - 45 °C	5 - 45 °C	5 - 45 °C
Electrical values				
Power supply configuration	2 hot-plug power	supplies (standard)		
Hot-plug power supply redundancy	Optional			
Active power (max. configuration)	2,518 W			
Apparent power (max. configuration)	2570 VA			
Heat emission (max. configuration)	9064.8 kJ/h (8591	.8 BTU/h)		
Rated current max.	12.5A (100 V) / 14	12.5A (100 V) / 14A (240 V)		
Active power note	To estimate the po www.fujitsu.com/	To estimate the power consumption of different configurations use the Fujitsu Product Configurator: www.fujitsu.com/configurator/public		
Power supply	1600W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 2200W hot-plug, 94% (Platinum efficiency), 200-240V, 50 / 60Hz 2400W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz			
Power supply notes	900W hot-plug 96	i% (Titanuim efficincy), 200-240\	/, 50 / 60Hz depends on con	figuration
Compliance				
Product	PRIMERGY RX477	0 M6		
Model	PS4770B	PS4770B		
Global	CB RoHS (Substance WEEE (Waste elec	limitations in accordance with g trical and electronical equipmen	lobal RoHS regulations) t)	
Europe	CE			
USA/Canada	CSAc/us ICES-003 / NMB-0 FCC Class A	03 Class A		
Japan	VCCI:V3 Class A +	JIS 61000-3-2		
South Korea	KN32 KN35			
Australia/New Zealand	AS/NZS CISPR32 0	Class A		
Taiwan	CNS 13438 class A	l		
Compliance link	https://sp.ts.fujits	u.com/sites/certificates		
Compliance notes	There is general c approvals require * Warning: This is a class A pr	ompliance with the safety requir d in order to satisfy statutory reg oduct. In a domestic environme	ements of all European cou gulations or for other reason nt this product may cause ra	ntries and North America. National s can be applied for on request. dio interference in which case the user
	may be required t	o take adequate measures.		

### Components

Optical drives

Blu-ray Disc<sup>™</sup> 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, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
	SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
	SSD SAS, 12 Gb/s, 800 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
	SSD SAS, 12 Gb/s, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
	SSD SAS, 12 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
	SSD SAS, 12 Gb/s, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SAS, 12 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
	SSD SAS, 12 Gb/s, 3.2 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
	SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
	SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD
	SSD SAS, 12 Gb/s, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD
SSD SATA 2.5-inch	SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPD
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.0 DWPD
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD
	SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPD
	SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD
	SSD SATA, 6 Gb/s, 7,68 TB, Bead-Intensive, hot-plug, 2,5-inch, enterprise, 1,0 DWPD
	SSD SATA 6 Gb/s 7 68 TB Read-Intensive hot-plug 2 5-inch enterprise 0.5 DWPD
	SSD SATA 6 Gb/s 3 84 TB Read-Intensive hot-plug 2 5-inch enterprise 10 DWPD
	SSD SATA 6 Gb/s 3 84 TB Mixed-use hot-plug 2 5-inch enterprise 1 0 DWPD
	SSD SATA 6 Gb/s 1 92 TB Read-Intensive hot-plug 2.5-inch enterprise 0.9 DWPD
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD
HDD 2 5-inch	HDD SAS 12 Gb/s 600 GB 10 000 rpm 512p bot-plug 25-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 bot-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, bot-plug, 2.5-inch, enterprise
	100 5/6, 12 66/3, 12 10, 10,000 1pm, not plug, 2.5 men, enceptise
PCIe SSD & SATA DOM 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
	PCIe-SSD SFF, 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
	SSD SAS 12 Gb/c 800 GR Write Intensive bet plug 25 inch enterprise 10 DW/PD SED
JLV	SSD SAS 12 GD/s, 600 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
	SSD SAS 12 GD/s, 400 GD, White-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
	UDD SAS 12 Gb/s f.0 GR 10.000 rpm 512p bot plug 2.5 inch optorptice SED
	ארג שטוו, די געט אין געט
	אר ששוא, ואסטיא, אושטיא, אויעטיא, אויעטיאן אויאטעטיאן, אויעטיאן אויאטאטיאן, איז איז איז איז איז איז איז איז איז ארע איז
	אר שטו, או איש געש גע אין
	אר שטאי, געטעגע געט געט געט געט געט געט געט געט
	איעט 2, ו ג'עט 2, ו ג'ע 1, וען אין ג'עט 1, ו ג'עט 1, אין ג'עט ג גערע געווי ג'עט ג' ג'עט
SCSI / SAS Controller	Broadcom <sup>®</sup> PSAS CP503i LP SAS Ctrl. 12 Gbit/s 8 ports int. 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 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
	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 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
	Broadcom® PRAID CP500i LP, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, No FBU support
Fibre Channel controller	Fibre Channel Host Bus Adapter 1 x Qlogic QLE2770-FJ-BK LC-style
	Fibre Channel Host Bus Adapter 2 x Qlogic QLE2772-FJ-BK LC-style
	Fibre Channel Host Bus Adapter 1 x 32 Gbit/s Emulex LPE35000-M2-F MMF LC-style
	Fibre Channel Host Bus Adapter 2 x 32 Gbit/s Emulex LPE35002-M2-F MMF LC-style
	Fibre Channel Host Bus Adapter 1 x 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® A100 80GB, 6912 cores, 1935GB/s, 80GB HBM2e, N/A, PCIe 4.0 x16
	NVIDIA® A40, 48 GB, 696 GB/s, 48GB GDDR6, N/A, PCIe 4.0 x16
	NVIDIA® RTX™ A6000, 48 GB, 786 GB/s, 48 GB GDDR6, N/A, PCIe 4.0 x16, 4 x DisplayPort
	NVIDIA® A16, 64 GB, 800GB/s (4 x200GB/s), 64GB GDDR6 (4 x16GB), N/A, PCIe 4.0 x16
	NVIDIA® A30, 933GB/s, 24GB HBM2, N/A, PCIe 4.0 x16
	NVIDIA® RTX™ A4500, 640 GB/s, 20GB GDDR6, N/A, PCIe 4.0 x16, 4 x DisplayPort
	NVIDIA® A2, 200GB/s, 16GB GDDR6, N/A, PCIe 4.0 x8
	NVIDIA® T400 4GB, 4 GB, 384 cores, 4GB, N/A, PCIe x16, 3 x miniDP
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.
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 Product Support - the perfect extension	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	http://www.fujitsu.com/emeia/products/product-support-services/

### More information

### Fujitsu products, solutions & services

In addition to PRIMERGY RX4770 M6, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

#### Fujitsu Portfolio

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

Computing Products www.fujitsu.com/global/products/

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### More information

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Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.

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### Disclaimer

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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