Data Sheet
FUJITSU Server PRIMERGY RX1330 M4 Rack Server

Small in size and low in cost – rich in optional features

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 RX1330 M4

The FUJITSU Server PRIMERGY RX1330 M4 is a highly reliable and energy-efficient single-socket rack server designed to deliver optimal performance and value in a compact 1U. Equipped with the right compute and memory for efficient utilization of resources, it is best suited for small and medium businesses providing a cost-efficient foundation for wide range of workloads like file, web hosting, infrastructure, communication, collaboration, and virtualization. The PRIMERGY RX1330 M4 refresh gets a performance boost with latest Intel® Xeon® E-2200 processors supporting up to 8 cores and higher memory capacity of 128GB DDR4 memory at speed up to 2,666 MT/s. It also provides versatile storage options with the advantage of high-speed, low latency 4x2.5-inch NVMe PCIe SSDs. 2x M.2 devices and Dual microSD are provided for efficient boot requirements. The FUJITSU Server PRIMERGY RX1330 M4 provides many features to guarantee high reliability and availability, such as the optional Fujitsu Battery Backup Unit, hot-plug redundant fans, hot-plug redundant power supplies, and modular RAID controllers. By delivering high energy efficient PSUs and operation in higher ambient temperature driven by optional Cool-safe® Advanced Thermal Design, the PRIMERGY RX1330 M4 contributes to very low operational costs. It provides a simple design for easy serviceability and comes along with the latest integrated Remote Management Controller (iRMC S5) to simplify server management. ISM Essential which is available free of charge provides essential server management functions. Whether it is used for a start-up or expanding business, the PRIMERGY RX1330 M4 is an ideal choice of entry server for many SMBs across all industries.

Note: Check the product configurator for the server compatible components currently available at launch.

Features & Benefits

Main Features	Benefits
Performance boost and improved scalability	
■ Wide choice of latest Intel® Xeon® E-2200/E-2100 processor family for servers with upto 8 cores, as well as affordable Intel® Core i3 or Pentium or Intel® Celeron® processors. Supports higher memory capacity of up to 128 GB with up to four 32 GB DDR4 @ 2,666 MT/s, high-speed storage and a wide range of networking technologies.	■ Deliver significant performance gain with latest generation processors, a higher number of cores and larger memory. Accelerate performance for virtualization workloads and wide range of SMB workloads including media streaming, caching, web hosting.
Improved Scalability by design	
■ It provides great storage options expandable up to 10x2.5-inch or 4x3.5-inch disk drives, with an advantage of 4x2.5-inch NVMe PCIe SSDs, 2x M.2 modules (1x SATA; 1x NVMe/SATA) and Dual microSD, USB Gen 3.1 Gen 2 for external connectivity. It also provides 3 x PCIe Gen 3 slots, 2x1 Gbit Onboard LAN with advanced 10GbE/25GbE high-speed networking options.	■ It also improves storage efficiency by providing high-speed, low latency storage, ideal for workloads that need higher I/O performance. Higher data transfer with the latest USB technology, fast boot devices for efficient installation of operating systems or mirrored boot for VMWare ESXi is also provided. A broad range of networking options and PCIe slots provide flexible expansion options for future scalability.
Enterprise-class reliability and operational efficiency	
■ It offers rock-solid reliability with Optional Fujitsu Battery Backup Unit, hot plug redundant fans and modular RAID controllers with up to 8GB cache. Highly efficient 450W (94% efficiency) hot plug power supplies and Fujitsu's Cool-safe® Advanced Thermal Design supports higher ambient temperatures up to 45 degrees in the data center.	■ Maximize uptime and save energy cost with high energy efficient redundant components. FJBU keeps the server running during short blackouts or voltage fluctuations and enables a graceful shutdown. Higher ambient temperatures reduce system cooling costs.
Simplifies management and enhances security	
■ Embedded with iRMC S5 for wide remote management functions. In addition FUJITSU Software Infrastructure Manager (ISM) provides converged management across multiple data centers. The new ISM Essential license, available free-of-charge provides essential server management and converged monitoring functions.	■ Fujitsu offers comprehensive infrastructure management and server management solutions which is key to efficient data center operations. iRMC S5 enhances server administrator productivity and offers a variety of new user-friendly and enhanced security features. ISM helps improve data center efficiency and overall IT Productivity with converged infrastructure management, paving the path to software-defined data center.

Technical details

PRIMERGY RX1330 M4						
Base unit	RX1330 M4 LFF	RX1330 M4 LFF	RX1330 M4 SFF	RX1330 M4 SFF	RX1330 M4 SFF	RX1330 M4 SFF 10xSFF
Housing types	Rack					
Storage drive architecture	3.5-inch SAS/SATA	3.5-inch SAS/SATA	2.5-inch SAS/SATA	2.5-inch SAS/SATA	2.5-inch SAS/SATA/ PCIe	2.5-inch SAS/SATA
Power supply	Standard	Hot-plug	Standard	Hot-plug	Hot-plug	Hot-plug
Product Type	Mono Socket Rack Server					
Mainboard						
Mainboard type	D3675					
Chipset	Intel® C246					
Processor quantity and type	1 x Intel® Xeon® E-2200 processor family / Intel® Xeon® E-2100 processor family / Intel® Celeron® processor / Intel® Core™ i3 processor / Intel® Pentium® processor					
Processor	Intel® Xeon® processor E-2288G (8C/16T, 3.70 GHz, up to 4.7 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2286G (6C/12T, 4.00 GHz, up to 4.6 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2278G (8C/16T, 3.40 GHz, up to 4.6 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2276G (6C/12T, 3.80 GHz, up to 4.6 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2274G (4C/4T, 4.00 GHz, up to 4.6 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2246G (6C/12T, 3.60 GHz, up to 4.5 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2244G (4C/8T, 3.80 GHz, up to 4.5 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2236 (6C/12T, 3.40 GHz, up to 4.5 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2234 (4C/8T, 3.60 GHz, up to 4.5 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2226G (6C/6T, 3.40 GHz, up to 4.4 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2224G (4C/4T, 3.50 GHz, up to 4.4 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2224 (4C/4T, 3.40 GHz, up to 4.2 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2186G (6C/12T, 3.80 GHz, up to 4.3 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2176G (6C/12T, 3.70 GHz, up to 4.3 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2174G (4C/8T, 3.80 GHz, up to 4.3 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2146G (6C/12T, 3.50 GHz, up to 4.2 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2144G (4C/8T, 3.60 GHz, up to 4.2 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2136 (6C/12T, 3.30 GHz, up to 4.2 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2134 (4C/8T, 3.50 GHz, up to 4.2 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2126G (6C/6T, 3.30 GHz, up to 4.1 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2124G (4C/4T, 3.40 GHz, up to 4.1 GHz, 2,666 MHz)					
	Intel® Xeon® processor E-2124 (4C/4T, 3.30 GHz, up to 3.9 GHz, 2,666 MHz)					
	Intel® Pentium® processor G5420 (2C/4T, 3.80 GHz, 2,400 MHz)					
	Intel® Pentium® processor G5400 (2C/4T, 3.70 GHz, 2,666 MHz)					
	Intel® Core™ i3-9100 processor (4C/4T, 3.60 GHz, 2,400 MHz)					
	Intel® Core™ i3-8100 processor (4C/4T, 3.60 GHz, 2,400 MHz)					
	Intel® Celeron® processor G4930 (2C/2T, 3.20 GHz, 2,400 MHz)					
	Intel® Celeron® processor G4900 (2C/2T, 3.10 GHz, 2,400 MHz)					
Memory slots	4 (2 banks with 2 DIMMs each)					
Memory slot type	DIMM (DDR4)					
Memory capacity (min. - max.)	4 GB - 128 GB					
Memory protection	ECC					
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same.					

Memory options	4 GB (1 module(s) 4 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 1Rx8
	8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 1Rx8
	16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 2Rx8
	32 GB (1 module(s) 32 GB) DDR4, unbuffered, ECC, 2,666 MT/s, PC4-2666, DIMM, 2Rx8

Interfaces	
USB 2.0 ports	2 Rear: 2x USB 2.0 for all base units. Front (only 10x 2.5" HDD): 1x USB 2.0
USB 3.0 ports	4 Rear: 2x 3.1 Gen2 for all base units, Front (except 10x 2.5" HDD): 2x USB 3.1 Gen1
Graphics (15-pin)	1 x VGA (15-pin) / optional 1 x front VGA (not for 10x 2.5" HDD base unit)
Serial connection	1 x serial RS-232-C Optional
LAN / Ethernet (RJ-45)	2 x 1 Gbit/s Ethernet
Management LAN (RJ45)	Management LAN traffic can be switched to shared onboard Gbit LAN port 1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s)

Onboard or integrated Controller	
RAID controller	Integrated RAID 0/1 or RAID 5/6 controller (option) All hardware storage controller options are described under Components
SATA Controller	Intel® C246, 1 port used for accessible drive or SATA DOM 4 port for internal SATA HDD/SSD with RAID 0, 1, 10 for Windows and Linux;
LAN Controller	Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration) iSCSI, PXE-Boot and WoL are supported
Remote management controller	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)

Onboard or integrated Controller (Base unit specific)	
RAID controller	4 port SATA with RAID 0/1/10 for HDDs
SATA Controller	4-port SATA 6Gb with RAID 0, 1, 10
SATA controller type notes	for hot-plug SATA hard disks

Slots	
PCI-Express 3.0 x4	1 x Low profile
PCI-Express 3.0 x8	2 x Low profile Length 175mm; PCIe slot#1 supports Modular RAID functions
Slot Notes	Optional support of 1x full height PCIe Gen3 x8 card, instead of 1x PCIe Gen2 x4 and 1x PCIe Gen3 x8

PCI-Express 3.0 x4	
PCI-Express 3.0 x4 (mech. x8)	1 x
PCI-Express 3.0 x8	2 x

Drive bays	
Storage drive bays	4/8 x 2.5-inch hot-plug SATA/SAS (Up to 4x NVMe PCIe SSD supported) or 4x 3.5-inch hot-plug or 10 x 2.5-inch hot-plug SATA/SAS
Accessible drive bays	1 x 5.25/0.4-inch for CD-RW/DVD
Notes accessible drives	Following limitations applies to 10x 2.5-inch HDD base unit: No CD-RW/DVD, 1x USB 2.0 at the front, no front VGA

Drive bays (Base unit specific)			
Storage drive bays	Max. 4x 3.5-inch	Max. 8x 2.5-inch	Max. 10x 2.5-inch
Accessible drive bays	1 x 5.25/0.4-inch for CD-RW/DVD	1 x 5.25/0.4-inch for CD-RW/DVD	Accessible drive bays are not available in case of max. storage drive configuration

Fan Configuration	
Number of fans	5
Fan notes	Hot Plug Fans - 4 fans in combination with standard power supply or 5 fans in combination with hot-plug PSU base unit for 4+1 redundancy.

Operating panel	
Operating buttons	On/off switch NMI button Reset button

Operating panel

Status LEDs	System status (orange) Identification (blue) Hard disks access (green) Power (green) At system rear side: System status (orange) Identification (blue) LAN connection (green) LAN speed (green / yellow)

BIOS

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 Remote PXE boot support Remote 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
	VMware vSphere™ 6.7
	VMware vSphere™ 6.5
	SUSE® Linux Enterprise Server 12
	Red Hat® Enterprise Linux 8
	Red Hat® Enterprise Linux 7
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	RHEL 7.5 and SLES 15 GA are not supported for the new CPUs including the Intel® Xeon® E-2200 product family. VMware ESX hints: - SATA RAID is not supported - Storing virtual machines locally requires a SAS RAID Controller Support of other Linux derivatives on demand Red Hat® certification starting with version 5.8 / 6.4. Hardware requirements of Software Defined Storage supported by i.e. Microsoft Storage Spaces or VMWare vSAN please see Systemarchitect or paper configurator or datasheet of PSAS CP400i.

Server Management and Infrastructure Management

Standard	Infrastructure Manager (ISM) Essential Node Management Health status Monitoring and Control Capacity/Threshold Management Power Management Converged Management Auto Discovery Remote Management Update Management Logging and Auditing ServerView Suite (Deploy) ServerView Installation Manager ServerView Scripting Toolkit ServerView Suite (Control) 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) 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) ServerView Integration packs for MS System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM
Option	ServerView Suite (Maintain) ServerView eLCM iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media Infrastructure Manager (ISM) 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 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)	482.6 mm (Bezel) / 435.4 mm (Body) x 572 x 42.8 mm
Height Unit Rack	1 U
Mounting Cable depth rack	200 mm cable depth
Weight	up to 13 kg

Dimensions / Weight	
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. 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
Sound pressure (LpAm)	24 / 52 dB(A) (min / max idle), 26 / 40 db(A) (min / max operating)
Sound power (LWAd; 1B = 10dB)	4.2 / 7 B (min / max idle), 4.2 / 5.8 B (min / max operating)
Noise notes	Noise emissions and operation modes depend on system configuration.
Electrical values	
Power supply configuration	1x standard power supply or1x hot-plug power supply or 2x hot plug power supplies for redundancy depending on model
Hot-plug power supply redundancy	Optional
Active power (max. configuration)	264 W
Apparent power (max. configuration)	267 VA
Heat emission (max. configuration)	950.4 kJ/h (900.8 BTU/h)
Rated current max.	4.5 A (100 V) / 2.0 A (240 V)
Power supply	300W standard, 92% (Gold efficiency), 100-240V, 50 / 60Hz 450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz
Power supply notes	Power Safeguard adapts system performance in case the power requirements exceeds supply limits.
Battery backup	Fujitsu Battery Unit 380W, 12V (as option)
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 ULc/us FCC Class A
Japan	VCCI:V3 Class A + JIS 61000-3-2
Russia	GOST
South Korea	KC
China	CCC
Australia/New Zealand	C-Tick
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

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, 500 GB, 7,200 rpm, 512e, hot-plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 12 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, 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, 512e, hot-plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
Hard disk drives	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, 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, 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, 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, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
	HDD SAS, 12 Gb/s, 14 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
	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, 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, hot-plug, 3.5-inch, business critical
	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, hot-plug, 3.5-inch, business critical
	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, 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, hot-plug, 3.5-inch, business critical

Solid-State-Drive	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, 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, 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, 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, 2.5-inch, enterprise, 1.4 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, 3.84 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 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 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, for VMware
	SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise, 1.4 DWPD (Drive Writes Per Day for 5 years)
PCIe SSD & SATA DOM SSD	PCIe-SSD SFF, 4 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPD (Drive Writes Per Day for 5 years)
	PCIe-SSD SFF, 2 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.6 DWPD (Drive Writes Per Day for 5 years)
	PCIe-SSD SFF, 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1 DWPD (Drive Writes Per Day for 5 years)
	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, 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
	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 / 25 Gbit/s PCIe 3.0 x8 SFP28 (Cavium)
	Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 (Cavium)
	Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 SFP+ (Cavium)
	Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 (Cavium)
	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)
	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. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 (Cavium)
	Ethernet Ctrl. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 (Intel®)
	Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 (Intel®)
Graphics	NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP
Rack infrastructure	Rackmount kit full extraction (815mm), tool less mounting, length variable 559-914mm
	Rackmount kit full extraction (815mm), tool less mounting, length variable 559-914mm
	Rackmount kit tool less mounting
	Cable Management 1U for PRIMECENTER- and 3rd-party racks

Warranty	
Warranty period	1 year
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/support
Product Support 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)
Recommended Service	24x7 Onsite Service with 4h Onsite Response Time
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

More information

Fujitsu products, solutions & services

In addition to FUJITSU Server PRIMERGY RX1330 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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More information

Learn more about FUJITSU Server PRIMERGY RX1330 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

Fujitsu green policy innovation

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.
Please find further information at http://www.fujitsu.com/global/about/environment

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