

Data Sheet

PRIMERGY RX1330 M5 Rack Server

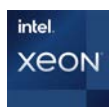
Cost-efficient, compact platform with exceptional flexibility

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 RX1330 M5

The Fujitsu PRIMERGY RX1330 M5 server is a mono-socket 1U rack server designed for small businesses as well as remote/branch offices that require reliability, performance and serviceability to support their critical business and customer data needs. The PRIMERGY RX1330 M5 delivers the flexibility to increase compute, storage, and memory capacity. The server can be equipped with the latest Intel® Xeon® E-2300 processors and provides the ability to run multiple applications at the same time, by choosing either a 4-, 6-, or 8-core CPU as well as to address data sets with up to four DDR4 DIMMs and with a maximum of 128GB of RAM. Intel® Pentium® processors are also available as an option. It provides versatile storage options with up to 4x 3.5" or up to 10x 2.5" storage devices to be able to harness data growth as well as M.2 devices and Dual microSD to be used as flash boot devices for VMware environments. Moreover, there is an additional version based on a chassis with a shorter depth (less than 450mm)

especially suited for network service providers. Equipped with two PCIe Gen4, one PCIe 3.0 expansion slots and 2x Gbit LAN onboard, the PRIMERGY RX1330 M5 offers improved data transfer rates and higher networking speeds. By delivering high energy efficient PSUs, with the choice between standard and redundant power supplies as well as a modular approach for RAID and LAN controllers, the mono-socket server contributes to reduced operational costs. It provides a simple design for easy serviceability and comes along with the latest integrated Remote Management Controller (iRMC S6) to simplify server management. Integrated security and proven reliability helps to ensure maximum uptime. In addition to some enhanced security protections for application data such as Intel SGX, the server also offers a lockable front bezel to avoid unauthorized physical access directly in the data center.



Features & Benefits

Main Features	Benefits
<p>BOOST YOUR PRODUCTIVITY</p> <ul style="list-style-type: none"> ■ Increase compute performance and the ability to run multiple applications at the same time, by choosing either a 4-, 6-, or 8-core Intel® Xeon® E-2300 processors, or the option to use more affordable Intel® Pentium® processors. <p>SCALE YOUR IT ACCORDING TO YOUR NEEDS</p> <ul style="list-style-type: none"> ■ Harness data growth with up to 4x 3.5" or up to 10x 2.5" storage devices as well as M.2 devices and Dual microSD to be used as flash boot devices for VMware environments. <p>SIMPLIFY YOUR IT</p> <ul style="list-style-type: none"> ■ Embedded with new iRMC S6 for remote access of your servers anywhere and anytime. In addition, 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. <p>GROW YOUR BUSINESS</p> <ul style="list-style-type: none"> ■ Address data sets with up to four DDR4 DIMMs and with a maximum of 128GB of RAM. In addition, the server can be expanded using three PCIe 4.0 interfaces. 	<ul style="list-style-type: none"> ■ Workload optimized performance for space and power constrained environments from the edge to the data center. ■ The PRIMERGY RX1330 M5 delivers the flexibility to increase compute, storage, and memory capacity based on various configuration options and different base units. ■ New iRMC S6 enhances server administrator productivity with a variety of user-friendly features for remote management. Moreover, Infrastructure Manager (ISM) enables organizations to have centralized control over the entire infrastructure using a single user interface. ■ The variety of expansion options makes the RX1330 M5 an ideal rack server platform for growing businesses. Outstanding configuration flexibility caters to a variety of business requirements and a range of HPE Qualified Options to fit most needs.

Technical details

PRIMERGY RX1330 M5

Base unit	RX1330 M5 (4x 3.5")	RX1330 M5 (8x 2.5")	RX1330 M5 (10x 2.5")	RX1330 M5 (4x 2.5")	RX1330 M5 (4x 2.5")
Housing types	Rack	Rack	Rack	Rack (short depth)	Rack (short depth)
Storage drive architecture	3.5-inch SAS/SATA	2.5-inch SAS/SATA/ PCIe	2.5-inch SAS/SATA	2.5-inch SAS/SATA	2.5-inch NVMe
Power supply	Hot-plug	Hot-plug	Hot-plug	Hot-plug	Hot-plug
Product Type	Mono Socket Rack Server	Mono Socket Rack Server	Mono Socket Rack Server	Mono Socket Rack Server	Mono Socket Rack Server

Mainboard

Mainboard type	D3929
Chipset	Intel® C256
Processor quantity and type	1 x Intel® Xeon® E-2300 processor family / Intel® Pentium® processor

Intel® Xeon® Max Processor

Intel® Xeon® processor E-2314 (4C/4T, 2.80 GHz, TLC: 8 MB, Turbo: 3.50 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2324G (4C/4T, 3.10 GHz, TLC: 8 MB, Turbo: 4.50 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2334 (4C/8T, 3.40 GHz, TLC: 8 MB, Turbo: 4.60 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2336 (6C/12T, 2.90 GHz, TLC: 12 MB, Turbo: 4.60 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2356G (6C/12T, 3.20 GHz, TLC: 12 MB, Turbo: 4.70 GHz, 3,200 MHz, 80 W)
Intel® Xeon® processor E-2374G (4C/8T, 3.70 GHz, TLC: 8 MB, Turbo: 4.70 GHz, 3,200 MHz, 80 W)
Intel® Xeon® processor E-2378 (8C/16T, 2.60 GHz, TLC: 16 MB, Turbo: 4.50 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2378G (8C/16T, 2.80 GHz, TLC: 16 MB, Turbo: 4.60 GHz, 3,200 MHz, 80 W)
Intel® Xeon® processor E-2386G (6C/12T, 3.50 GHz, TLC: 12 MB, Turbo: 4.70 GHz, 3,200 MHz, 95 W)
Intel® Xeon® processor E-2388G (8C/16T, 3.20 GHz, TLC: 16 MB, Turbo: 4.60 GHz, 3,200 MHz, 95 W)

Processor

Intel® Xeon® processor E-2388G (8C/16T, 3.20 GHz, TLC: 16 MB, Turbo: 4.60 GHz, 3,200 MHz, 95 W)
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Intel® Xeon® processor E-2334 (4C/8T, 3.40 GHz, TLC: 8 MB, Turbo: 4.60 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2324G (4C/4T, 3.10 GHz, TLC: 8 MB, Turbo: 4.50 GHz, 3,200 MHz, 65 W)
Intel® Xeon® processor E-2314 (4C/4T, 2.80 GHz, TLC: 8 MB, Turbo: 3.50 GHz, 3,200 MHz, 65 W)
Intel® Pentium® Gold G6405 (2C/4T, 4.10 GHz, TLC: 4 MB, Turbo: No, 2,666 MHz, 58 W)

Memory slots	4
Memory slot type	UDIMM (DDR4)
Memory capacity (min. - max.)	8 GB - 128 GB
Memory protection	ECC
Memory notes	support up to 3200 MT/s. Pentium CPU support up to 2666 MT/s only. Any mix of different memory modules with different order code is not supported.

Interfaces

USB 2.x ports	2 (Rear: 2x USB 2.0)
USB 3.x ports	5 (Rear: 2x 3.2 Gen1 for all base units, Front (except 10x 2.5" base unit): 2x USB 3.2 Gen1, 1x USB 3.2 Gen2(20 Gb, Type C) , Front (for 10x 2.5" base unit): 2x USB 3.2 Gen1)
Graphics (15-pin)	1 x VGA (15-pin) / optional 1 x front VGA (not for 10x 2.5" base unit)
Serial connection	1 x optional (occupies PCIe slot)
LAN / Ethernet	2
Management LAN (RJ45)	1 x dedicated management LAN port for iRMC S6 (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard Gbit LAN port

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® C256, 1x SATA channel for ODD, 2x SATA channel for M.2, 4x SATA channel for HDD/SSD			
LAN Controller	Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration)			
Remote management controller	Integrated Remote Management Controller (iRMC S6, 1024 MB attached memory incl. graphics controller)			
Trusted Platform Module (TPM)	TPM 2.0 module (option)			
Slots				
PCI-Express 4.0 x8	2 x Low profile			
PCI-Express 3.0 x4	1 x Low profile			
Slot Notes	Optional support of 1x full height PCIe Gen4 x8 card, instead of 1x PCIe Gen3 x4 and 1x PCIe Gen4 x8. PCIe 4.0 slot works as PCIe 3.0 with Pentium CPU.			
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 5.25/9.5mm for DVD-RW/Blu-ray			
Notes accessible drives	Not for 10x 2.5-inch HDD base unit. All possible options described in relevant system configurator.			
Drive bays (Base unit specific)				
Storage drive bays	Max. 4x 3.5-inch	Max. 8x 2.5-inch	Max. 10x 2.5-inch	4x 2.5-inch
Accessible drive bays	1 x 5.25/9.5mm for DVD-RW/Blu-ray	1 x 5.25/9.5mm for DVD-RW/Blu-ray		
Fan Configuration				
Number of fans	5			
Fan notes	5 single non hot-plug fans or 5 dual non hot-plug fans (4+1 redundancy, depends on system configuration)			
Operating panel				
Operating buttons	On/off switch NMI button Reset button ID button			
Status LEDs	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: 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 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 HTTP and HTTPS Boot			

Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software	Windows Server 2022 Datacenter Windows Server 2022 Standard Windows Server 2022 Essentials Windows Server 2019 Datacenter Windows Server 2019 Standard Windows Server 2019 Essentials VMware vSphere™ 8.0 VMware vSphere™ 7.0 SUSE® Linux Enterprise Server 15 Red Hat® Enterprise Linux 8
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473
Operating system notes	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.

Infrastructure and Server Management

DC Infrastructure Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition
Server Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition
Management notes	For further information regarding ISM 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)	482.6 mm (Bezel) / 435.4 mm (Body) x 612 x 43 mm
Dimension notes	Short depth: 482.6 mm (Bezel) / 435.4 mm (Body) x 506 mm x 43 mm
Height Unit Rack	1 U
Weight	Std: max.13 kg / Short depth: max. 10 kg
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit as option

Environment

Operating ambient temperature	5 - 45 °C (41 - 113 °F)
Operating temperature note	Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. Please use the Fujitsu WebArchitect (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
Sound pressure (LpAm)	Std: 22 dB(A) (idle)/ 22 dB(A) (operating) Short: 24 dB(A) (idle)/ 26 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	Std: 4.0B (idle)/ 4.0B (operating) Short: 4.3B (idle)/ 4.5B (operating)
Noise notes	Noise emissions and operation modes depend on system configuration.

Electrical values

Power supply configuration	1x standard power supply or 1x 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)	1,088 W
Apparent power (max. configuration)	230V: 1035VA 100V: 1100 VA
Heat emission (max. configuration)	3916.8 kJ/h (3712.4 BTU/h)
Rated current max.	11A (100V) / 5.7A (240V)

Electrical values

Power supply	300W standard, 92% (Gold efficiency), 100-240V, 50 / 60Hz 500W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 500W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 900W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 900W 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.

Compliance

Product	PRIMERGY RX1330 M5
Model	PR1330B/PR1330BS
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
Russia	EAC
South Korea	KC
China	CCC
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

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, 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, 1 DWPD, SED
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 DWPD, SED
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 DWPD, SED
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 DWPD, SED
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, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD, SED
SSD SATA, 6 Gb/s, 7.68 TB, Read-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, 1 DWPD, SED
SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.0 DWPD
SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD, SED
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, 1 DWPD, SED
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, 3 DWPD, SED
SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 0.9 DWPD

SSD SATA 3.5-inch

SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED
SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD
SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD, SED
SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 0.9 DWPD
SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED
SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD
SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD, SED
SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.0 DWPD
SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 0.9 DWPD
SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.4 DWPD
SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.0 DWPD
SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED
SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.0 DWPD
SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.5 DWPD
SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED
SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.0 DWPD
SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD, SED
SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 1.0 DWPD
SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPD, SED
SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPD
SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPD, SED
SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 0.9 DWPD

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, 3.2 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

SED	SSD SAS, 12 Gb/s, 800 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
	SSD SAS, 12 Gb/s, 400 GB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
	SSD SAS, 12 Gb/s, 1.6 TB, Write-Intensive, hot-plug, 2.5-inch, enterprise, 10 DWPD, SED
	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, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED
	HDD SAS, 12 Gb/s, 18 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
	HDD SAS, 12 Gb/s, 16 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, enterprise, SED
	HDD SAS, 12 Gb/s, 12 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, enterprise, SED
	HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
	HDD SAS, 12 Gb/s, 2.4 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, SED
HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED	
SCSI / SAS Controller	PSAS CP 2100-8i LP SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8
	Broadcom® PSAS CP600e LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8
	Broadcom® 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 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
	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 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® T400 4GB, 4 GB, 384 cores, 4GB, N/A, PCIe x16, 3 x miniDP
Rack infrastructure	Rackmount kit full extraction (665mm). 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.
	Rackmount kit full extraction (562.5mm). 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.
	Rackmount kit tool less mounting
	Cable Management 1U for PRIMECENTER- and 3rd-party racks
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.

Notes

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	1 year
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/support
Product Support - the perfect extension	
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 Service with 4h Onsite Response Time
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 RX1330 M5, 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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Software

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More information

Learn more about PRIMERGY RX1330 M5, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/global/products/computing/servers/primergy/rack/rx1330m5/

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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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