

# Data Sheet

## Fujitsu PRIMERGY RX1330 M3 Server

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

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### PRIMERGY RX1330 M3

The FUJITSU Server PRIMERGY RX1330 M3 is a mono-socket rack server designed to provide a solution for small budgets, yet enabling a rich set of optional expansions to best meet individual demands. Its usage patterns cover file, infrastructure and communication or collaboration applications by delivering up to 64 GB RAM, up to 3 PCIe slots and up to 10x 2.5-inch hard disk drives. Moreover, this 1U server allows for diverse individual configurations with optional features, such as hot-plug power supply units, redundant fans and RAID controller. By delivering high energy efficiency and operation in higher ambient temperature thanks to optional Cool-safe® Advanced Thermal Design, the PRIMERGY RX1330 M3 also contributes to very low operational costs. ServerView™ Suite and remote management features (iRMC S4) simplify the administration.



# Features & Benefits

Main Features	Benefits
<p><b>Flexible Foundation for Infrastructure Tasks</b></p> <ul style="list-style-type: none"> <li>■ 1x Intel® Xeon® E3 v6-family processor, Intel® Core i3 or Intel® Celeron® processor and up to 64 GB DDR4 memory with 2,400MT/s (4 DIMM slots), up to 3x PCIe Gen3 slots.</li> <li>■ Free choice: Up to 4x 3.5-inch or up to 10x 2.5-inch storage drives.</li> <li>■ Broad selection of Operating Systems.</li> </ul> <p><b>Enhanced Features for enhanced Computing</b></p> <ul style="list-style-type: none"> <li>■ Modular RAID controllers and full-height PCIe slot.</li> <li>■ Redundant fans, optional Hot-plug and redundant power supply (PSU) with 80 PLUS platinum energy efficiency (94 %).</li> <li>■ The Fujitsu FJBU internal battery backup is an alternative for classical UPS devices. This compact Ni-MH battery unit that fits into modular PSU slot.</li> <li>■ Fujitsu's Cool-safe® Advanced Thermal Design for higher ambient temperatures in the data center.</li> </ul> <p><b>Foundation for Trust and Security</b></p> <ul style="list-style-type: none"> <li>■ Fujitsu ServerView Suite including tools for installation and deployment, permanent status monitoring and control.</li> <li>■ BIOS, firmware and selected software are updated free of charge.</li> <li>■ TPM2.0 modules and latest operating system support.</li> </ul> <p><b>Simplified management</b></p> <ul style="list-style-type: none"> <li>■ iRMC S4 stressless connecting the RX1330 M3 to our Server Management tools.</li> </ul>	<ul style="list-style-type: none"> <li>■ Cost-optimized foundation for file, infrastructure and communication applications.</li> <li>■ Flexible to meet the individual demand, the huge storage capacity fulfills requirements of storage demanding application or services.</li> <li>■ Red Hat Linux, Suse Linux, Microsoft Windows Server - it's up to you.</li> </ul> <ul style="list-style-type: none"> <li>■ Perfectly meet the performance and space requirements with available budget.</li> <li>■ Match redundancy and power supply requirements with available budget.</li> <li>■ FJBU keeps the server running during short blackouts or voltage fluctuations and enables a graceful shutdown.</li> <li>■ Higher ambient temperatures lead to lower costs for cooling the data center.</li> </ul> <ul style="list-style-type: none"> <li>■ Lifecycle investment protection.</li> <li>■ The comprehensive tools of the Fujitsu ServerView Suite eases the administrators life.</li> <li>■ Hardware- and software-driven security features are very important in a fast-paced world, especially considering cybercrime.</li> </ul> <ul style="list-style-type: none"> <li>■ Optimized for both, data centers and SMEs.</li> </ul>

# Technical details

<b>PRIMERGY RX1330 M3</b>					
<b>Base unit</b>	RX1330 M3 LFF	RX1330 M3 LFF	RX1330 M3 SFF	RX1330 M3 SFF	RX1330 M3 SFF 10xSFF
<b>Housing types</b>	Rack	Rack	Rack	Rack	Rack
<b>Storage drive architecture</b>	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
<b>Power supply</b>	Standard	Hot-plug	Standard	Hot-plug	Hot-plug
<b>Product Type</b>	Mono Socket Rack Server	Mono Socket Rack Server	Mono Socket Rack Server	Mono Socket Rack Server	Mono Socket Rack Server
<b>Mainboard</b>					
<b>Mainboard type</b>	D3375				
<b>Chipset</b>	Intel® C236				
<b>Processor quantity and type</b>	1 x Intel® Xeon® processor E3-1200 v6 product family / Intel® Core™ i3 processor / Intel® Pentium® processor / Intel® Celeron® processor				
Entry 3D: NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP			<b>Graphics</b>		
<b>Processor</b>	Intel® Xeon® processor E3-1280v6 (4C/8T, 3.90 GHz, up to 4.0 GHz, 2,400 MHz) Intel® Xeon® processor E3-1270v6 (4C/8T, 3.80 GHz, up to 4.0 GHz, 2,400 MHz) Intel® Xeon® processor E3-1240v6 (4C/8T, 3.70 GHz, up to 3.9 GHz, 2,400 MHz) Intel® Xeon® processor E3-1230v6 (4C/8T, 3.50 GHz, up to 3.7 GHz, 2,400 MHz) Intel® Xeon® processor E3-1225v6 (4C/4T, 3.30 GHz, up to 3.5 GHz, 2,400 MHz) Intel® Xeon® processor E3-1220v6 (4C/4T, 3.00 GHz, up to 3.3 GHz, 2,400 MHz) Intel® Pentium® processor G4560 (2C/4T, 3.50 GHz, 2,400 MHz) Intel® Core™ i3-7100 processor (2C/4T, 3.90 GHz, 2,400 MHz) Intel® Celeron® processor G3930 (2C/2T, 2.90 GHz, 2,133 MHz)				
<b>Memory slots</b>	4 (2 banks with 2 DIMMs each)				
<b>Memory slot type</b>	DIMM (DDR4)				
<b>Memory capacity (min. - max.)</b>	4 GB - 64 GB				
<b>Memory protection</b>	ECC				
<b>Memory notes</b>	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.				
<b>Interfaces</b>					
<b>USB 3.0 ports</b>	6 x (2x front, 4x rear) (10x 2.5" HDD base unit: 1x USB 2.0, 4x rear USB 3.0)				
<b>Graphics (15-pin)</b>	1 x VGA (15-pin) / optional 1 x front VGA (not for 10x 2.5" HDD base unit)				
<b>Serial connection</b>	1 x serial RS-232-C				
<b>LAN / Ethernet (RJ-45)</b>	2 x 1 Gbit/s Ethernet				
<b>Management LAN (RJ45)</b>	1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard Gbit LAN port				
<b>Onboard or integrated Controller</b>					
<b>RAID controller</b>	Integrated RAID 0/1 or RAID 5/6 controller (option) All hardware storage controller options are described under Components				
<b>SATA Controller</b>	Intel® C236, 1 port used for accessible drive or SATA DOM 4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux;				
<b>LAN Controller</b>	Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration) iSCSI, PXE-Boot and WoL are supported				
<b>Remote management controller</b>	Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller) IPMI 2.0 compatible				
<b>Trusted Platform Module (TPM)</b>	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	4 port SATA with RAID 0/1/10 for HDDs
SATA Controller	4-port SATA 6Gb with RAID 0, 1, 10	4-port SATA 3GB with RAID 0, 1, 10
SATA controller type notes	for hot-plug SATA hard disks	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 = dedicated Modular RAID slot
Slot Notes	Optional support of 1x full height PCIe Gen3 x8 card, instead of 1x PCIe Gen2 x4 and 1x PCIe Gen3 x8

**Drive bays**

Storage drive bays	4/8 x 2.5-inch hot-plug SAS/SATA or 4x 3.5-inch hot-plug SAS/SATA or 10 x 2.5-inch hot-plug SAS/SATA
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
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**Fan Configuration**

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

Number of fans	4	5	4	5
Fan configuration	4 standard fan	5 redundant fan	4 standard fan	5 redundant fan
Fan notes	non redundant / non hot-plug	redundant / non hot-plug	non redundant / non hot-plug	redundant / non hot-plug

**Operating panel**

Operating buttons	On/off switch NMI button Reset button
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
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**Operating Systems and Virtualization Software**

<b>Certified or supported operating systems and virtualization software</b>	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
	Hyper-V Server 2012 R2
	Windows Server 2012 R2 Datacenter
	Windows Server 2012 R2 Standard
	Windows Server 2012 R2 Essentials
	Windows Server 2012 R2 Foundation
	Windows Storage Server 2012 R2 Standard
	Hyper-V Server 2012
	Windows Server 2012 Datacenter
	Windows Server 2012 Standard
	Windows Server 2012 Essentials
	Windows Server 2012 Foundation
	Windows Storage Server 2012 Standard
	VMware vSphere™ 6.7
	VMware vSphere™ 6.5
	VMware vSphere™ 6.0
	SUSE® Linux Enterprise Server 12
	Red Hat® Enterprise Linux 8
Red Hat® Enterprise Linux 7	
<b>Operating system release link</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473</a>
<b>Operating system notes</b>	<p>VMware ESX hints:</p> <ul style="list-style-type: none"> <li>- SATA RAID is not supported</li> <li>- Storing virtual machines locally requires a SAS RAID Controller</li> </ul> <p>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.</p>

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**Infrastructure and Server Management**


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<b>DC Infrastructure Management</b>	<ul style="list-style-type: none"> <li>Infrastructure Manager (ISM) Essential <ul style="list-style-type: none"> <li>Node Management</li> <li>Health status Monitoring and Control</li> <li>Capacity/Threshold Management</li> <li>Power Management</li> <li>Converged Management</li> <li>Auto Discovery</li> <li>Remote Management</li> <li>Update Management</li> <li>Logging and Auditing</li> </ul> </li> <li>ServerView Suite (Deploy) <ul style="list-style-type: none"> <li>ServerView Installation Manager</li> <li>ServerView Scripting Toolkit</li> </ul> </li> <li>ServerView Suite (Control) <ul style="list-style-type: none"> <li>ServerView Operations Manager (incl. PDA and ASR &amp; R)</li> <li>ServerView Agents and CIM provider</li> <li>ServerView Agentless Management</li> <li>ServerView System Monitor</li> <li>SVOM- Event Manager</li> <li>ServerView RAID Manager</li> <li>SVOM- Threshold Manager</li> <li>Power Monitor (monitoring the Power Consumption)</li> <li>Power Management (iRMC)</li> <li>Storage Management (server) with SVOM/SV-RAID</li> </ul> </li> <li>ServerView Suite (Maintain) <ul style="list-style-type: none"> <li>iRMC S4 (Remote Management)</li> <li>System Update Manager (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>Performance management (SVOM)</li> <li>Asset Management</li> <li>Primecollect</li> <li>Customer Self Service</li> <li>Online Diagnostics</li> </ul> </li> <li>ServerView Suite (Integrate) <ul style="list-style-type: none"> <li>ServerView Integration packs for MS System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM</li> </ul> </li> </ul>
<b>Server Management</b>	<ul style="list-style-type: none"> <li>ServerView Suite (Maintain) <ul style="list-style-type: none"> <li>ServerView eLCM</li> <li>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media</li> </ul> </li> <li>Infrastructure Manager (ISM) <ul style="list-style-type: none"> <li>Automate device configuration</li> <li>Mass OS installation</li> <li>Node Management</li> <li>Health status Monitoring and Control</li> <li>Capacity/Threshold Management</li> <li>Power Management</li> <li>Converged Management</li> <li>Auto Discovery</li> <li>Virtual-IO Management</li> <li>Network topology Management</li> <li>Remote Management</li> <li>Update Management</li> <li>Logging and Auditing</li> <li>Integrate in to <ul style="list-style-type: none"> <li>Enterprise Management</li> <li>Vendor specific Management</li> <li>Monitor 3rd party platforms</li> </ul> </li> </ul> </li> </ul>
<b>Management notes</b>	Regarding dependencies for ServerView Suite software products see dedicated product data sheets.

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**Dimensions / Weight**


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<b>Rack (W x D x H)</b>	482.6 mm (Bezel) / 435.4 mm (Body) x 572 x 42.8 mm
<b>Height Unit Rack</b>	1 U
<b>Mounting Cable depth rack</b>	200 mm cable depth
<b>Weight</b>	up to 13 kg

<b>Dimensions / Weight</b>	
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Rack integration kit</b>	Rack integration kit as option
<b>Environment</b>	
<b>Operating ambient temperature</b>	5 - 40 °C (41 - 104 °F)
<b>Operating temperature note</b>	Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. For detailed information see relevant system configurator.
<b>Operating relative humidity</b>	10 - 85 % (non condensing)
<b>Operating environment</b>	FTS 04230 – Guideline for Data Center (installation specification)
<b>Operating environment link</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a>
<b>Sound pressure (LpAm)</b>	25 / 35 dB(A) (min / max idle), 25 / 35 dB(A) (min / max operating)
<b>Sound power (LWAd; 1B = 10dB)</b>	4.1 / 5.1 B (min / max idle), 4.1 / 5.1 B (min / max operating)
<b>Noise notes</b>	Noise emissions and operation modes depend on system configuration.
<b>Electrical values</b>	
<b>Power supply configuration</b>	1x standard power supply or 1x hot-plug power supply or 2x hot plug power supplies for redundancy depending on model
<b>Hot-plug power supply redundancy</b>	Optional
<b>Active power (max. configuration)</b>	152 W
<b>Apparent power (max. configuration)</b>	155 VA
<b>Heat emission (max. configuration)</b>	547.2 kJ/h (518.6 BTU/h)
<b>Rated current max.</b>	4.0 A (100 V) / 2.0 A (240 V)
<b>Active power note</b>	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: <a href="http://configurator.ts.fujitsu.com/public/">http://configurator.ts.fujitsu.com/public/</a>
<b>Power supply</b>	300W standard, 92% (Gold efficiency), 100-240V, 50 / 60Hz 450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz
<b>Power supply notes</b>	Power Safeguard adapts system performance in case the power requirements exceeds supply limits.
<b>Battery backup</b>	Fujitsu Battery Unit 380W, 12V (as option)
<b>Compliance</b>	
<b>Global</b>	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic equipment)
<b>Europe</b>	CE
<b>USA/Canada</b>	CSAC/us ULc/us FCC Class A
<b>Japan</b>	VCCI:V3 Class A + JIS 61000-3-2
<b>Russia</b>	GOST
<b>South Korea</b>	KC
<b>China</b>	CCC
<b>Australia/New Zealand</b>	C-Tick
<b>Taiwan</b>	BSMI
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>
<b>Compliance notes</b>	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

<b>Optical drives</b>	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
<b>Hard disk drives</b>	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, 10 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 4 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 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, 900 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 450 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 450 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 12 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
HDD SAS, 12 Gb/s, 10 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
HDD SAS, 12 Gb/s, 8 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 6 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
HDD SAS, 12 Gb/s, 4 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 3.5-inch, business critical
HDD SAS, 12 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 3.5-inch, enterprise
HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED
HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical

<b>Solid-State-Drive</b>	SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.9 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1.4 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.4 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3.1 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.6 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3.1 DWPDP (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 DWPDP (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 DWPDP (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 DWPDP (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 DWPDP (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 DWPDP (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 DWPDP (Drive Writes Per Day for 5 years)
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 3.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPDP (drive writes per day for 5 years)
SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 3.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)	
SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)	
SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPDP (Drive Writes Per Day for 5 years)	
<b>PCIe SSD &amp; SATA DOM SSD</b>	DOM SATA, 6 Gb/s, 128 GB, non hot plug, enterprise, 0.13 DWPDP (Drive Writes Per Day for 5 years)
	DOM SATA, 6 Gb/s, 64 GB, non hot plug, enterprise, 0.14 DWPDP (Drive Writes Per Day for 5 years)
<b>SCSI / SAS Controller</b>	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
<b>RAID Controller</b>	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 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
<b>Fibre Channel controller</b>	Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Qlogic QLE2560 MMF LC-style
	Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Qlogic QLE2562 MMF LC-style
	Fibre Channel Host Bus Adapter 1 x 8 Gbit/s Emulex LPe1250 MMF LC-style
	Fibre Channel Host Bus Adapter 2 x 8 Gbit/s Emulex LPe12002 MMF LC-style

<b>Communication, Network</b>	Ethernet Ctrl. 1 x 1 Gbit/s PCIe 2.1 x1 RJ45 ( Intel® ) Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 ( Intel® ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® ) Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® ) Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® )
<b>Graphics</b>	NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP
<b>Rack infrastructure</b>	Rackmount kit full extraction (665mm), tool less mounting, length variable 559-914mm 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
<b>Warranty</b>	
<b>Warranty period</b>	1 year
<b>Warranty type</b>	Onsite warranty
<b>Product Support Services - the perfect extension</b>	
<b>Support Pack Options</b>	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)
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
<b>Service Lifecycle</b>	5 years
<b>Spare Parts availability</b>	
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY RX1330 M3, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

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### Software

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## More information

Learn more about Fujitsu PRIMERGY RX1330 M3, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
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## Fujitsu green policy innovation

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