

Data Sheet FUJITSU Server PRIMERGY RX1330 M1 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, compact and scalable blade systems, as well as hyper-converged scale-out 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 M1

The FUJITSU Server PRIMERGY RX1330 M1 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 applications by delivering up to 32 GB RAM, up to 3 PCle slots and up to 10 hard disk drives. Moreover, this 1U server allows for diverse individual configurations with optional features, such as hot-plug power supply units, redundant fans, RAID controller and support for pGFX integrated server graphics for fast media

processing. By delivering high energy efficiency and operation in higher ambient temperature thanks to optional Cool-safe® Advanced thermal Design, the PRIMERGY RX1330 M1 also contributes to very low operational costs. ServerView™ suite and remote management features (iRMC S4) simplify the administration.

















Features & Benefits

Main Features **Benefits** Low in costs ■ High energy efficient Clear reduction in energy costs ■ Fujitsu ServerView[™] suite and onboard remote management Comprehensive and simplified management reduce time for features (iRMC S4) enables centralized management standard administration tasks ■ Each additional degree means approximately 5-6 percent less ■ Cool-safe® Advanced Thermal Design enables operation in a higher ambient temperature energy costs for air-conditioning Flexible foundation for infrastructure tasks ■ Intel Xeon processor E3-1200 v3 and up to 32 GB RAM, up to 3 PCle Cost-optimized foundation for file, infrastructure and communication applications slots and up to 10 storage drives ■ Free choice: Up to 4x 3.5-inch or up to 10x 2.5-inch storage drives ■ Flexible to meet the individual demand Optional pGFX Server Graphics Huge storage capacity fulfills requirements of storage demanding application or services Unprecedented media transcoding performance Rich set of optional features ■ Choice of Intel Xeon E3 v3, Core i3, Celeron and Pentium processors ■ Perfectly meet the performance requirements with available budget ■ Modular RAID controllers ■ Match redundancy requirements with available budget ■ Redundant fans ■ Hot-plug and redundant power supply (PSU) with 80 PLUS platinum energy efficiency (94 %) ■ Full-height PCIe slot Integrated UPS - Easy & reliable ■ The Fujitsu FJBU internal battery backup is an alternative for Keeps the server running during short blackouts or voltage classical UPS devices fluctuations and enables a graceful shutdown ■ Compact battery unit that fits into modular PSU slot ■ Same life time as the server – no maintenance necessary ■ Ni-MH battery allows for a very long life time (5 years) ■ Easy and clean setup: no cabling, no separate device ■ Full integration into server management environment

Technical details

PRIMERGY RX1330 M1						
Base unit		RX1330 M1 LFF	RX1330 M1 LFF	RX1330 M1 SFF	RX1330 M1 SFF	RX1330 M1 SFF 10xSFF
Housing types		Rack	Rack	Rack	Rack	Rack
Storage drive architectur	e	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
Power supply		Standard	Hot-plug	Standard	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		D3229				
Chipset		Intel® C226				
Processor quantity and ty	/pe	1 x Intel® Xeon® proc processor / Intel® Cele		ict family-based platforr	n / Intel® Core™ i3 proce	ssor / Intel® Pentium®
Processor	Intel® Celeron ^o	® processor G1820 (2C/2	T, 2.70 GHz, TLC: 2 MB,	Turbo: No, Mem bus: 1,3	333 MHz, 54 W)	
		3-4330 processor (2C/4T,				
		n® processor G3420 (2C/.				
Memory slots		4 (2 banks with 2 DIA	/Ms each)			
Memory slot type		DIMM (DDR3) UDIMA				
Memory capacity (min	may)	2 GB - 32 GB	1			
Memory protection	ilidx.j	ECC				
Memory notes			For dual channel perfe	ormance, a minimum of	2 memory modules have	e to be ordered (2020
		Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capa per channel has to be the same.			re to be oldered. Capac	
Memory options		4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank				
		8 GB (1 module(s) 8	GB) DDR3, unbuffered,	ECC, 1,600 MHz, PC3-12	800, DIMM, dual rank	
Interfaces						
USB 2.0 ports		4 x (2x rear, 2x inter	nal via UFM) (10x SFF b	ase unit: 1x front, 2x rea	ar, 2x internal)	
USB 3.0 ports		4 x (2x front, 2x rear) (10x SFF base unit: 2x	rear)		
Graphics (15-pin)		1 x VGA (15-pin) / ор	otional 1 x front VGA (no	ot for 10x 2,5" HDD base	unit)	
Serial connection		1 x serial RS-232-C,	usable for iRMC S4 or sy	stem or shared		
LAN / Ethernet (RJ-45)		2 x Gbit/s Ethernet				
Management LAN (RJ45)				C S4 (10/100/1000 Mbi shared onboard Gbit LAI		
Onboard or integrated Co	ontroller					
RAID controller		latagrated DAID 0/1 a				
			or RAID 5/6 controller (o controller options are d	ption) escribed under Compon	ents	
SATA Controller		All hardware storage Intel® C226, 1 port us	controller options are d sed for accessible drive			
		All hardware storage Intel® C226, 1 port us 4 port for internal SA	controller options are d sed for accessible drive FA HDDs with RAID 0, 1,	escribed under Compon	ıux;	and WoL are supported
LAN Controller	ntroller	All hardware storage Intel® C226, 1 port us 4 port for internal SAI Intel® i210 onboard.	controller options are d sed for accessible drive FA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s	escribed under Compon 10 for Windows and Lir	iux; ration). iSCSI, PXE-Boot	
LAN Controller Remote management co		All hardware storage Intel® C226, 1 port us 4 port for internal SAI Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible	controller options are d sed for accessible drive FA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach	iux; ration). iSCSI, PXE-Boot	
LAN Controller Remote management co Trusted Platform Module	(TPM)	All hardware storage Intel® C226, 1 port us 4 port for internal SAI Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 m	controller options are d sed for accessible drive IA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach	iux; ration). iSCSI, PXE-Boot	
LAN Controller Remote management co Trusted Platform Module Onboard or integrated Co	(TPM)	All hardware storage Intel® C226, 1 port us 4 port for internal SAI Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 m	controller options are dised for accessible drive FA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (odule; TCG compliant (o	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach ption)	iux; ration). iSCSI, PXE-Boot	cs controller)
LAN Controller Remote management co Trusted Platform Module Onboard or integrated Co RAID controller	(TPM)	All hardware storage Intel® C226, 1 port us 4 port for internal SAI Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 me	controller options are dised for accessible drive FA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (codule; TCG compliant (codule; TCG compliant)	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach ption) 4 port SA	nux; ration). iSCSI, PXE-Boot ed memory incl. graphi	cs controller)
LAN Controller Remote management co Trusted Platform Module Onboard or integrated Co RAID controller SATA Controller	(TPM) ontroller (Base	All hardware storage Intel® C226, 1 port us 4 port for internal SA¹ Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 mo e unit specific) 4 port SATA with RAID	controller options are dised for accessible drive IA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (codule; TCG compliant (codule; TCG compliant) 0 0/1/10 for HDDs RAID 0, 1, 10	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach ption) 4 port SA 4-port SA	nux; ration). iSCSI, PXE-Boot ed memory incl. graphi TA with RAID 0/1/10 for	cs controller)
LAN Controller Remote management co Trusted Platform Module Onboard or integrated Co RAID controller SATA Controller type note	(TPM) ontroller (Base	All hardware storage Intel® C226, 1 port us 4 port for internal SAT Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 me e unit specific) 4 port SATA with RAID 4-port SATA 6Gb with	controller options are dised for accessible drive IA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (codule; TCG compliant (codule; TCG compliant) 0 0/1/10 for HDDs RAID 0, 1, 10	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach ption) 4 port SA 4-port SA	ration). iSCSI, PXE-Boot ed memory incl. graphi TA with RAID 0/1/10 for TA 3GB with RAID 0, 1,	cs controller)
LAN Controller Remote management co Trusted Platform Module Onboard or integrated Co RAID controller SATA Controller SATA controller type note Slots	(TPM) ontroller (Base	All hardware storage Intel® C226, 1 port us 4 port for internal SAT Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 me e unit specific) 4 port SATA with RAID 4-port SATA 6Gb with for hot-plug SATA har	controller options are dised for accessible drive IA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (condule; TCG compliant (condule; TCG compliant) 0 0/1/10 for HDDs RAID 0, 1, 10 d disks	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach ption) 4 port SA 4-port SA for hot-p	ration). iSCSI, PXE-Boot ed memory incl. graphi TA with RAID 0/1/10 for TA 3GB with RAID 0, 1, lug SATA hard disks	cs controller)
SATA Controller LAN Controller Remote management co Trusted Platform Module Onboard or integrated Co RAID controller SATA Controller SATA controller type note Slots PCI-Express 3.0 x8 PCI-Express 2.0 x4 (mech	(TPM) ontroller (Base	All hardware storage Intel® C226, 1 port us 4 port for internal SAT Intel® i210 onboard. Integrated Remote M IPMI 2.0 compatible Infineon / TPM 1.2 me e unit specific) 4 port SATA with RAID 4-port SATA 6Gb with for hot-plug SATA har	controller options are dised for accessible drive IA HDDs with RAID 0, 1, 2 x 10/100/1000 Mbit/s anagement Controller (condule; TCG compliant (condule; TCG compliant) 0 0/1/10 for HDDs RAID 0, 1, 10 d disks	escribed under Compon 10 for Windows and Lir Ethernet (TCP/IP accele iRMC S4, 256 MB attach ption) 4 port SA 4-port SA	ration). iSCSI, PXE-Boot ed memory incl. graphi TA with RAID 0/1/10 for TA 3GB with RAID 0, 1, lug SATA hard disks	cs controller)

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 as soon as released			
Accessible drive bays	1 x 5.25/0.4-inch for CD-RW	/DVD		
Notes accessible drives	Following limitations applie	es to 10x 2.5-inch HDD base u	nit: 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. 10	Ox 2.5-inch
Fan Configuration				
Number of fans	4			
Fan notes	4 fans in combination with redundancy.	standard power supply or 5 fa	ns in combination with hot-p	lug PSU base unit for 1+4
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 restor Local BIOS update from USB Online update tools for mai Local and remote update via Remote PXE boot support Remote iSCSI boot support	3 device	ſ	

Operating Systems and Virtualization S	Software
Certified or supported operating	Microsoft® Hyper-V Server 2012 R2
systems and virtualization software	Microsoft® Windows Server® 2012 R2 Datacenter
	Microsoft® Windows Server® 2012 R2 Standard
	Microsoft® Windows Server® 2012 R2 Essentials
	Microsoft® Windows Server® 2012 R2 Foundation
	Microsoft® Windows Storage Server 2012 R2 Standard
	Microsoft® Hyper-V Server 2012
	Microsoft® Windows Server® 2012 Datacenter
	Microsoft® Windows Server® 2012 Standard
	Microsoft® Windows Server® 2012 Essentials
	Microsoft® Windows Server® 2012 Foundation
	Microsoft® Windows Storage Server 2012 Standard
	Microsoft® Hyper-V™ Server 2008 R2
	Microsoft® Windows Server® 2008 R2 Datacenter
	Microsoft® Windows Server® 2008 R2 Enterprise
	Microsoft® Windows Server® 2008 R2 Standard
	Microsoft® Windows Server® 2008 R2 Foundation
	VMware vSphere™ 6.0
	VMware vSphere™ 5.5
	VMware vSphere™ 5.1 Embedded
	VMware vSphere™ 5.1
	SUSE® Linux Enterprise Server 12
	SUSE® Linux Enterprise Server 11
	Red Hat® Enterprise Linux 7
	Red Hat® Enterprise Linux 6
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	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.
Server Management	
Standard	ServerView Suite - Deploy
Stalidald	Installation Manager
	Scripting Toolkit
	ServerView Suite - Control
	Operations Manager incl. PDA and ASR & R
	(Prefailure and Analysis; Automatic Server Recovery and Restart)
	Agents and CIM Providers / Agentless Service System Monitor
	RAID Manager
	Capacity Management
	Power Management
	Storage Support ServerView Suite - Maintain
	Remote Management (iRMC in combination with Intel® Node Manager)
	Update Management (BIOS, Firmware, Windows Drivers, Agents and CIM Providers)
	Performance Measurement
	Asset Management
	Asset Management Online Diagnostics
	Asset Management

Sorver Management	
Server Management Option	Sarvad/iou ambaddad Lifeavila Managamant
Option	ServerView embedded Lifecycle Management Enhanced management functionalities for simplified, highly integrated and automated management
	processes
	ServerView Suite - Maintain
	iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media
	ServerView Suite - Dynamize Virtual-10 Manager (VIOM)
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
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit as option
Environment	
Operating ambient temperature	5 - 40 °C (41 - 104 °F)
Operating temperature note	Cool-safe® Advanced Thermal Design (above 35 $^{\circ}$ C or below 10 $^{\circ}$ 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 / 34 dB(A) (min / max idle), 28.5 / 34 db(A) (min / max operating)
Sound power (LWAd; 1B = 10dB)	3.7 / 5.1 B (min / max idle), 4.2 / 5.5 B (min / max operating)
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature.
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)	197 W
Apparent power (max. configuration)	199 VA
Heat emission (max. configuration)	709.2 kJ/h (672.2 BTU/h)
Rated current max.	4.0 A (100 V) / 2.0 A (240 V)
Active power note	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/
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. 196% Titanium Power supply unit is only released for 200-240V
Battery backup	Fujitsu Battery Unit 380W, 12V (as option)
Compliance	
Global	СВ
	RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical equipment)
Germany	CS
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

Compliance	
Taiwan	BSMI
Compliance link	http://globalsp.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, 512n, hot-plug, 3.5-inch, business critical				
	HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical				
	HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, 512n, hot-plug, 2.5-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, 3 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, 512n, hot-plug, 2.5-inch, business critical				
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical				
	HDD SAS, 6 Gb/s, 900 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 600 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 600 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 450 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 450 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 300 GB, 15,000 rpm, hot-plug, 3.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 300 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 146 GB, 15,000 rpm, hot-plug, 2.5-inch, enterprise				
	HDD SAS, 6 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise				

Solid-State-Drive	SSD SATA, 6 Gb/s, 800 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 800 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise, 0.3 DWPD (drive writes per day
	for 5 years)
	SSD SATA, 6 Gb/s, 480 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 240 GB, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SATA, 6 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	SSD SATA, 6 Gb/s, 120 GB, Read-Intensive Endurance, hot-plug, 3.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	SSD SATA, 6 Gb/s, 120 GB, Read-Intensive Endurance, hot-plug, 2.5-inch, enterprise, 0.3 DWPD (drive writes per day for 5 years)
	DOM SATA, 6 Gb/s, 128 GB, non hot plug, enterprise, 345TBW (Seq. write)
	DOM SATA, 6 Gb/s, 64 GB, non hot plug, enterprise, 172TBW (Seq. write)
SCSI / SAS Controller	LSI PSAS CP400e SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8
	Fujitsu PSAS CP400i SAS Ctrl. 12 Gbit/s 8 ports int. PCle 3.0 x8
RAID Controller	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache
	Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, 8 ports int. RAID level: 0, 1, 10, No BBU support
	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 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 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 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
Communication, Network	Ethernet Ctrl. 1 x 1 Gbit/s PCle 1.1 x1 RJ45 (Intel®)
	Ethernet Ctrl. 1 x 1 Gbit/s PCle 2.1 x1 RJ45 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.0 x8 SFP+ (Fujitsu)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 RJ45 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Intel®)
	Ethernet Ctrl. 2 x 1 Gbit/s PCle 2.1 x4 RJ45 (Intel®)
	Ethernet Ctrl. 4 x 1 Gbit/s PCle 2.1 x4 RJ45 (Intel®)
Graphics add on cards	NVIDIA® NVS™315 LP, PCIe x16, 2x DVI/VGA
Rack infrastructure	Rackmount kit full extraction (665mm), tool less mounting, length variable 559-914mm
	Cable Management 1U for PRIMECENTER- and 3rd-party racks
Warranty	
Warranty period	1 year
Warranty type	Onsite warranty

Warranty	
Support Pack Options	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
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/fts/products/product-support-services/

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY RX1330 M1, 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/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY RX1330 M1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

http://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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