Data Sheet
FUJITSU Server PRIMERGY RX2540 M1 Dual socket 2U rack server

The data center standard without compromise

FUJITSU Server PRIMERGY systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as density-optimized scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, and provide more agility in daily operations in order to turn IT faster into a business advantage.

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 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 RX2540 M1

The FUJITSU Server PRIMERGY RX2540 M1 sets higher standards for usability, scalability and cost-efficiency. It is a 2U dual-socket rack server ideal for running enterprise applications, collaboration and messaging workloads as well as traditional databases. Plus, it substantially simplifies carrying out infrastructure-related tasks like server virtualization and consolidation. As one of the key innovations, versatile performance is guaranteed by a new generation of processors. The PRIMERGY RX2540 M1 can be equipped with two of the latest Intel® Xeon® E5-2600 v3 processors with up to 36 cores. Along with new DDR4 memory technology with up to 1.5 TB it boosts application performance to be able to cope with the increasing data growth and shortens time to business results. The modular design of the server offers excellent expandability with up to 24 disk drives, high storage density, DynamicLoM technology, up to 8 PCIe Gen 3 I/O expansion slots. The new DynamicLoM technology offers users the ability to individually adapt the current server network as well as the ability to change and thus meet future requirements without giving the server infrastructure a general overhaul. The PRIMERGY RX2540 M1 comes with 2 redundant hot-plug power supply units, offering up to 96% energy efficiency. The Cool-safe® Advanced Thermal Design allows for operation in ambient temperatures of up to 40 °C/104 °F. Both these features in line help to reduce operational expenses.

Features & Benefits

Main Features	Benefits
Versatile Performance to cope with data growth	
■ Intel® Xeon® E5-2600 v3 product family with up to 18 cores ■ Up to 1536 GB DDR4 memory and up to 8 PCIe slots ■ Expanded scalability of up to 24x 2.5-inch + 4 additional rear option 2.5-inch HDD or up to 12x 3.5-inch storage drives	■ Ready for the future and data growth scenarios with the performance of two processors – marking the standard of tomorrow with an increase in computing power of up to 55% compared to the previous generation (measured under SAP SD) ■ DDR4 memory enables for higher bandwidth and lower consumption, optimized for data center tasks, enterprise applications but also collaboration & messaging solutions ■ Flexible expandability and diverse options for storage devices permits for the integration of existing and new SSD and HDD as needed. Less today, more in future – or vice versa
Increased Energy Efficiency	
■ Fujitsu's Cool-safe® Advanced Thermal Design technology for a higher ambient temperature ■ Redundant power supply units with 96% energy efficiency	■ Not only "greener", also less expensive over time: Cost reduction due to lower energy consumption - both, air conditioning and the power supply itself ■ Two hot-plug PSUs make it easy to maintain the running system and ensure a 99,997% uptime
Foundation for Trust and Security	
■ Fujitsu ServerView Suite including tools for installation and deployment, permanent status monitoring and control ■ BIOS, firmware and selected software are updated free of charge	■ The comprehensive tools of the Fujitsu ServerView Suite eases the administrators life ■ Lifecycle investment protection: Updates are very important in a fast-paced world, especially considering cyber crime
Innovations simplifying management and freeing up IT resources	
■ DynamicLoM to select the network connector of your choice - "plug&play-design" with 3 different port types, 3 different numbers of ports, and 2 different speeds and no need to upgrade to a new chip or new drivers. ■ Customer-inspired design	■ DynamicLoM guarantees you the highest flexibility to integrate the server into your infrastructure – now and in future without overhauling the existing infrastructure ■ Optimized for data centers and SMEs
Extended lifecycle	
■ The PRIMERGY RX2540 M1 is available for an extended time frame. While the regular lifecycle of PRIMERGY RX servers is around two years, configurations with the „long lifecycle" option however can be ordered over five years.	■ The extended availability offers planning reliability for long-term projects, integrated systems and public sector customers where a server system has to stay the same over a longer period.

Technical details

PRIMERGY RX2540 M1				
Base unit	PRIMERGY RX2540 M1 LFF	PRIMERGY RX2540 M1 LFF	PRIMERGY RX2540 M1 SFF	PRIMERGY RX2540 M1 SFF
Housing types	Rack	Rack	Rack	Rack
Storage drive architecture	4x 3.5-inch SAS/SATA expandable	12x 3.5-inch SAS/SATA	8x 2.5-inch SAS/SATA expandable	24x 2.5-inch SAS/SATA
Power supply	Hot-plug	Hot-plug	Hot-plug	Hot-plug
Product Type	Dual Socket Rack Server	Dual Socket Rack Server	Dual Socket Rack Server	Dual Socket Rack Server

Mainboard	
Mainboard type	D3289
Chipset	Intel® C612
Processor quantity and type	1 - 2 x Intel® Xeon® processor E5-2600 v3 product family-based platform

Processor	
	Intel® Xeon® processor E5-2603v3 (6C/6T, 1.60 GHz, TLC: 15 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,600 MHz, 85 W, AVX Base 1.30 GHz)
	Intel® Xeon® processor E5-2609v3 (6C/6T, 1.90 GHz, TLC: 15 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,600 MHz, 85 W, AVX Base 1.90 GHz)
	Intel® Xeon® processor E5-2620v3 (6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: 2.60 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 85 W, AVX Base 2.10 GHz, AVX Turbo 2.60 GHz)
	Intel® Xeon® processor E5-2623v3 (4C/8T, 3.00 GHz, TLC: 10 MB, Turbo: 3.30 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 105 W, AVX Base 2.70 GHz, AVX Turbo 3.30 GHz)
	Intel® Xeon® processor E5-2630Lv3 (8C/16T, 1.80 GHz, TLC: 20 MB, Turbo: 2.10 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 55 W, AVX Base 1.50 GHz, AVX Turbo 2.10 GHz)
	Intel® Xeon® processor E5-2630v3 (8C/16T, 2.40 GHz, TLC: 20 MB, Turbo: 2.60 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 85 W, AVX Base 2.10 GHz, AVX Turbo 2.60 GHz)
	Intel® Xeon® processor E5-2637v3 (4C/8T, 3.50 GHz, TLC: 15 MB, Turbo: 3.60 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 135 W, AVX Base 3.20 GHz, AVX Turbo 3.50 GHz)
	Intel® Xeon® processor E5-2640v3 (8C/16T, 2.60 GHz, TLC: 20 MB, Turbo: 2.80 GHz, 8.0 GT/s, Mem bus: 1,866 MHz, 90 W, AVX Base 2.20 GHz, AVX Turbo 2.80 GHz)
	Intel® Xeon® processor E5-2643v3 (6C/12T, 3.40 GHz, TLC: 20 MB, Turbo: 3.60 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 135 W, AVX Base 2.80 GHz, AVX Turbo 3.40 GHz)
	Intel® Xeon® processor E5-2650Lv3 (12C/24T, 1.80 GHz, TLC: 30 MB, Turbo: 2.10 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 65 W, AVX Base 1.50 GHz, AVX Turbo 2.10 GHz)
	Intel® Xeon® processor E5-2650v3 (10C/20T, 2.30 GHz, TLC: 25 MB, Turbo: 2.60 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 105 W, AVX Base 2.00 GHz, AVX Turbo 2.60 GHz)
	Intel® Xeon® processor E5-2660v3 (10C/20T, 2.60 GHz, TLC: 25 MB, Turbo: 2.90 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 105 W, AVX Base 2.20 GHz, AVX Turbo 2.90 GHz)
	Intel® Xeon® processor E5-2667v3 (8C/16T, 3.20 GHz, TLC: 20 MB, Turbo: 3.40 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 135 W, AVX Base 2.70 GHz, AVX Turbo 3.30 GHz)
	Intel® Xeon® processor E5-2670v3 (12C/24T, 2.30 GHz, TLC: 30 MB, Turbo: 2.60 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 120 W, AVX Base 2.00 GHz, AVX Turbo 2.60 GHz)
	Intel® Xeon® processor E5-2680v3 (12C/24T, 2.50 GHz, TLC: 30 MB, Turbo: 2.90 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 120 W, AVX Base 2.10 GHz, AVX Turbo 2.80 GHz)
	Intel® Xeon® processor E5-2683v3 (14C/28T, 2.00 GHz, TLC: 35 MB, Turbo: 2.50 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 120 W, AVX Base 1.70 GHz, AVX Turbo 2.50 GHz)
	Intel® Xeon® processor E5-2690v3 (12C/24T, 2.60 GHz, TLC: 30 MB, Turbo: 3.10 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 135 W, AVX Base 2.30 GHz, AVX Turbo 3.00 GHz)
	Intel® Xeon® processor E5-2695v3 (14C/28T, 2.30 GHz, TLC: 35 MB, Turbo: 2.80 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 120 W, AVX Base 1.90 GHz, AVX Turbo 2.60 GHz)
	Intel® Xeon® processor E5-2697v3 (14C/28T, 2.60 GHz, TLC: 35 MB, Turbo: 3.10 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 145 W, AVX Base 2.20 GHz, AVX Turbo 2.90 GHz)
	Intel® Xeon® processor E5-2698v3 (16C/32T, 2.30 GHz, TLC: 40 MB, Turbo: 2.80 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 135 W, AVX Base 1.90 GHz, AVX Turbo 2.50 GHz)
	Intel® Xeon® processor E5-2699v3 (18C/36T, 2.30 GHz, TLC: 45 MB, Turbo: 2.80 GHz, 9.6 GT/s, Mem bus: 2,133 MHz, 145 W, AVX Base 1.90 GHz, AVX Turbo 2.60 GHz)
Memory slots	24 (12 DIMMs per CPU, 4 channels with 3 slots per channel)

Memory slot type	DIMM (DDR4)
Memory capacity (min. - max.)	4 GB - 1536 GB
Memory protection	Advanced ECC Memory Scrubbing SDDC (Chipkill™) Rank sparing memory support Memory Mirroring support
Memory notes	Memory Mirroring with identical modules in both channel pairs of a bank (4 modules per bank), Rank sparing or Performance Mode with identical modules in all four channels (4 modules per bank).
Memory options	8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 1Rx4
	8 GB (1 module(s) 8 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 2Rx8
	16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 2Rx4
	32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133P, LRDIMM, 4Rx4
	32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133R, DIMM, 2Rx4
	64 GB (1 module(s) 64 GB) DDR4, registered, ECC, 2,133 MHz, PC4-2133P, LRDIMM, 4Rx4

Interfaces

USB 2.0 ports	5 x USB 2.0 (2x rear, 1x front external, 1x USB stick, 1x uSSD)
USB 3.0 ports	5 x USB 3.0 (2x front, 2x rear, 1x internal for backup device)
Graphics (15-pin)	2 x VGA (thereof 1x front optional)
Serial 1 (9-pin)	1 x serial RS-232-C optional, usable for iRMC or system or shared
Management LAN (RJ45)	1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard LAN controller port, speed and connector is related to installed interface card.

Onboard or integrated Controller

RAID controller	additional RAID controller options are described under Components RAID controller
SATA Controller	Intel® C612, 1 x SATA channel for ODD
LAN Controller	DynamicLoM based on Emulex XE100 series. All supported features are described in relevant system configurator. PXE-Boot via LAN from PXE server, iSCSI / FCoE boot (also diskless).
Remote management controller	Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller) IPMI 2.0 compatible
Trusted Platform Module (TPM)	Infineon / TPM 1.2 module; TCG compliant (option)

Slots

PCI-Express 3.0 x8	3 x Low profile (2nd processor required for slot 4)
PCI-Express 3.0 x16	3 x (/) Low profile
Slot Notes	First PCIe Gen3 x8 slot may be occupied with a Modular RAID controller if configured. Important: 3 PCIe slots are supported with the first processor. 6 PCIe slots are supported with two processors. PCIe riser card options can expand number of slots by two (max. 8 in total) and support max. 4 full height slots. Possible slot length described in relevant system configurator.

Drive bays

Storage drive bays	3.5-inch or 2.5-inch hot-plug SAS/SATA
Accessible drive bays	1 x 5.25/0.4-inch for CD-RW/DVD
Notes accessible drives	All possible options described in relevant system configurator.
Optional hard disk bays	4x 2.5-inch hot-plug SAS/SATA rear option

Drive bays (Base unit specific)

Storage drive bays	8 x 3.5-inch hot-plug SAS/SATA	12 x 3.5-inch hot-plug SAS/SATA	16 x 2.5-inch hot-plug SAS/SATA	24 x 2.5-inch hot-plug SAS/SATA
Accessible drive bays	1 x 5.25/0.4-inch for CD-RW/DVD		1 x 5.25/1.6-inch for backup devices 1 x 5.25/0.4-inch for CD-RW/DVD	
Optional accessible drives	ODD 5.25" possible	ODD 5.25" not possible	ODD 5.25" possible	ODD 5.25" not possible

General system information

Number of fans	5
Fan configuration	redundant / hot-plug

General system information	
Fan notes	4+1 redundant
Operating panel	
Operating buttons	On/off switch Reset button NMI button ID button
Status LEDs	System status (orange / yellow) Identification (blue) Hard disks access (green) Power (amber / green) At system rear side: System status (orange / yellow) Identification (blue) LAN connection (green) LAN speed (green / yellow)
BIOS	
BIOS features	UEFI compliant Legacy BIOS compatibility customer configuration option Secure boot support ROM based setup utility GPT support for boot drives larger than 2.2 TB Memory Redundancy support (Mirroring, Sparing) IPMI support Recovery BIOS BIOS settings save and restore Local BIOS update from USB device Online update tools for main Windows and Linux versions Local and remote update via ServerView Update Manager IPv4/IPv6 remote PXE & iSCSI boot support
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Hyper-V Server 2012 R2 Microsoft® Windows Server® 2012 R2 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Storage Server 2012 R2 Standard Microsoft® Hyper-V Server 2012 Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 Standard 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 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 Citrix® XenServer® Oracle® Linux 7 Oracle® Linux 6 Oracle® VM 3
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	Support of other Linux derivatives on demand

Server Management	
Standard	ServerView Suite - Deploy SV Installation Manager SV Scripting Toolkit ServerView Suite - Control Operations Manager incl. PDA and ASR & R (Prefailure and Analysis; Automatic Server Recovery and Restart) Agents and CIM Providers 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 Drives and SV Agents) Performance Measurement Asset Management Online Diagnostics ServerView Suite - Integrate Integration packs e.g. for Microsoft System Center, VMware vCenter, Nagios, HP SIM and others Deployment Solutions and others
Option	ServerView Suite - Maintain iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media ServerView Suite - Dynamize Virtual-IO Manager (VIOM) ServerView Suite - Integrate Integration pack for Fujitsu ManageNow® solution
Server Management notes	Regarding dependencies for ServerView Suite software products see dedicated product data sheets.
Dimensions / Weight	
Rack (W x D x H)	482.4 mm (Bezel) / 445 mm (Body) x 770 x 86.6 mm
Mounting Depth Rack	740 mm
Height Unit Rack	2 U
19" rackmount	Yes
Weight	up to 25 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 °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
Noise emission	Measured according to ISO 7779 and declared according to ISO 9296
Sound pressure (LpAm)	Minimum noise : 33 dB(A) (idle) / 33 dB(A) (operating) Typical noise : 44 dB(A) (idle) / 44 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	Minimum noise : 5.6 B (idle) / 5.6 B (operating) Typical noise : 7.5 B (idle) / 7.5 B (operating)
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature. Typical hardware configuration which is the base for measurement according to ISO 7779: 2x PSU 450W. 2x CPU Xeon E5-2630 v3 2.40GHz, 4x RAM 8GB, HDD 2x 500GB SATA
Electrical values	
Power supply configuration	1 x hot-plug power supply or 2x hot-plug power supply for redundancy
Hot-plug power supply redundancy	Optional
Active power (max. configuration)	715 W
Apparent power (max. configuration)	753 VA
Heat emission	2574.0 kJ/h (2439.7 BTU/h)

Electrical values	
Rated current max.	7.68 A (100 V) / 2.98 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	450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 800W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz 800W hot-plug, 96% (Titanium efficiency), 200-240V, 50 / 60Hz 1200W 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. !96% Titanium Power supply unit is only released for 200-240V

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 FCC Class A
Japan	VCCI:V3 Class A + JIS 61000-3-2
South Korea	KC (planned)
China	CCC
Australia/New Zealand	C-Tick (planned)
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

Backup Drives	LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s
	LTO5HH Ultrium, 1,500 GB, 140 MB/s, half height, SAS 6Gb/s
	LTO6HH Ultrium, 2,500 GB, 160 MB/s, half height, SAS 6Gb/s
	RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0
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, 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, 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, 450 GB, 10,000 rpm, 512e, 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
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
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, 6 Gb/s, 900 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 600 GB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical
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, 4 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical

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, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SATA, 6 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	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, 400 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SATA, 6 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	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)
	SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SATA, 6 Gb/s, 100 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SAS, 12 Gb/s, 800 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SAS, 12 Gb/s, 400 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SAS, 12 Gb/s, 200 GB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	SSD SAS, 12 Gb/s, 1.6 TB, Mainstream Endurance, hot-plug, 3.5-inch, enterprise
	SSD SAS, 12 Gb/s, 1.6 TB, Mainstream Endurance, hot-plug, 2.5-inch, enterprise
	PCIe-SSD SFF, 800 GB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day)
	PCIe-SSD SFF, 2 TB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day)
	PCIe-SSD SFF, 1.6 TB, MLC, 2.5-inch, Flash drive, 10 DWPD (drive writes per day)
	PCIe-SSD AIC, 5.2 TB, MLC, Standard Height, Half-Length, Flash drive, 6.7 DWPD (drive writes per day)
	PCIe-SSD AIC, 2.6 TB, MLC, Low Profile, Flash drive, 6.7 DWPD (drive writes per day)
	PCIe-SSD AIC, 1.3 TB, MLC, Low Profile, Flash drive, 6.7 DWPD (drive writes per day)
	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	SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8
	SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8
RAID Controller	RAID Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID CP400i, 8 ports int. RAID level: 0, 1, 1E, 10, 5, 50 No BBU support
	RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID EP420i, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108
	RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, Fujitsu PRAID EP400i, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108
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
	Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Emulex LPe16000B LC-style
	Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Emulex LPe16002B LC-style
	Fibre Channel Host Bus Adapter 1 x 16 Gbit/s Qlogic QLE2670 LC-style
	Fibre Channel Host Bus Adapter 2 x 16 Gbit/s Qlogic QLE2672 LC-style

Communication, Network	Converged Network Adapter 1 x 40 Gbit/s PCIe 3.0 x8 QSFP+ (Emulex)
	Converged Network Adapter 1 x 40 Gbit/s PCIe 3.0 x8 QSFP+ for DynamicLoM (Emulex)
	Converged Network Adapter 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Emulex)
	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 10Gbit/s Eth (RJ45) (Emulex)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Emulex)
	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®)
	InfiniBand HCA 1 x 40 Gbit/s PCIe 2.0 x8 QSFP (Intel®)
	InfiniBand HCA 1 x 40 Gbit/s PCIe 3.0 x8 QSFP (Mellanox)
	InfiniBand HCA 1 x 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed (Mellanox)
	InfiniBand HCA 2 x 40 Gbit/s PCIe 2.0 x8 QSFP (Intel®)
	InfiniBand HCA 2 x 40 Gbit/s PCIe 3.0 x8 QSFP (Mellanox)
	InfiniBand HCA 2 x 56 Gbit/s PCIe 3.0 x8 QSFP for the US market max. one IB HCA 56Gb controller can be installed (Mellanox)
	Interface modul for Dynamic LoM 2 x 10 Gbit/s RJ45 (Emulex)
	Interface modul for Dynamic LoM 2 x 10 Gbit/s SFP+ (Emulex)
	Interface modul for Dynamic LoM 2 x 1 Gbit/s RJ45 (Emulex)
	Interface modul for Dynamic LoM 4 x 1 Gbit/s RJ45 (Emulex)
LAN controller notes	PLAN AP 1x1Gbit Cu Intel I210-T1 LP (Copper), available on special release with order number S26361-F3852-E201
Graphics add on cards (optional)	NVIDIA® GRID™ K1 16 GB, 768 cores, PCIe 3.0 x16
	NVIDIA® GRID™ K2 8GB, 3,072 cores, PCIe 3.0 x16
Graphics add on cards	NVIDIA® NVS™315 LP, PCIe x16, 2x DVI/VGA
Rack infrastructure	Rackmount kit full extraction (820mm), tool less mounting, length variable 559-914mm
	Cable Management for 19-inch DataCenter / PRIMECENTER Racks
	Cable Arm 2U for PRIMECENTER- and 3rd-party racks

Warranty	
Warranty period	3 years
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 24x7, 4h Onsite Response Time
Recommended Service	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
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 RX2540 M1, 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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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
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Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY RX2540 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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