

# Data Sheet

## FUJITSU Server PRIMERGY RX300 S8 Dual socket 2U rack server

The versatile 2U powerhouse

The Fujitsu Server PRIMERGY RX Rack Server family is the perfect platform to form dynamic infrastructures for your business processes today and in the coming decade. You will thus benefit several times over from our recognized experience in optimized data center technology and our innovative strength in developing energy-efficient and cost/performance-optimized rack systems for universal use. PRIMERGY rack servers, built upon industry standards, focus from a functional viewpoint on core features: energy efficiency, reliability, optimized for virtualization, ease of operation and maintenance, flexibility for your future. And thus they notably meet your requirements for outstanding cost efficiency. Optimal operating costs and long-term usability comply with the IT quality required by your customers. Our responsibility goes way beyond the hardware as our tailor-made service packages mean that you can rely on the best support for your IT during its whole lifecycle.

consolidations.



### PRIMERGY RX300 S8

The Fujitsu Server PRIMERGY RX300 S8 is a dual socket rack server, focusing on versatility and scalability. The new modular concept supports excellent expandability with up to 16 hard disk drives, up to 7 PCIe Gen 3 cards and up to 1536 GB RAM, all in one single 2U rack housing. Furthermore, the new Intel® Xeon® E5 product family delivers the top performance to ensure today's demand while being prepared for future requirements thanks to the upgrade kits as well as the cost-saving Modular LAN options. Thanks to the power supply units with 96% efficiency and the new power management this will result in lower operational costs. This 2U power house is the right choice for all types of business applications and



# Features & Benefits

Main Features	Benefits
<p><b>Meet today's demand and be prepared for future requirements</b></p> <ul style="list-style-type: none"><li>■ Intel Xeon E5-2600 v2 product family with up to 12 core processors and Turbo Boost 2.0</li></ul>	<ul style="list-style-type: none"><li>■ High performance for an efficient datacenter</li><li>■ 50% more cores compared to the previous generation enables to run significantly more virtual machines</li><li>■ Optimized for business applications, cloud and virtualization</li></ul>
<p><b>Lifecycle investment protection</b></p> <ul style="list-style-type: none"><li>■ Expanded scalability of up to 24 DIMMs with 1536 GB memory, up to 16 hard disk drives and 7 PCIe slots Gen3</li><li>■ New modular concept for the base unit as well as a choice for LAN controller, RAID controller and power supplies</li><li>■ Upgrade kits for hard disk drives, backup devices as well as LTO drives</li></ul>	
<p><b>Cost efficient operations</b></p> <ul style="list-style-type: none"><li>■ Comprehensive power management including pre-defined power profiles and a scheduled mode to switch between the profiles automatically</li><li>■ 2 hot-plug PSU with 94 % efficiency (96 % planned)</li><li>■ Cool-safe™ Advanced Thermal Design enables the operation in a higher ambient temperature</li><li>■ Fujitsu ServerView Suite offers tools for installation and deployment, permanent status monitoring and control. A wide range of integration packs allow a seamless and easy integration in widely-used enterprise management systems</li></ul>	

# Technical details

## PRIMERGY RX300 S8

Housing types	Rack	Rack	Rack	Rack
Storage drive architecture	6x 3.5-inch SAS/SATA	8x 2.5-inch SAS/SATA	12x 2.5-inch SAS/SATA	max. 16x 2.5-inch SAS/SATA
Power supply	Hot-plug	Hot-plug	Hot-plug	Hot-plug

## Mainboard

Mainboard type	D2939
Chipset	Intel® C600 (Intel® Patsburg A)
Processor quantity and type	1 - 2 x Intel® Xeon® processor E5-2600 v2 product family

## Processor

Intel® Xeon® processor E5-2603v2 (4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1333 MHz, 80 W)	
Intel® Xeon® processor E5-2609v2 (4C/4T, 2.50 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1333 MHz, 80 W)	
Intel® Xeon® processor E5-2620v2 (6C/12T, 2.10 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1600 MHz, 80 W)	
Intel® Xeon® processor E5-2630Lv2 (6C/12T, 2.40 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1600 MHz, 60 W)	
Intel® Xeon® processor E5-2630v2 (6C/12T, 2.60 GHz, TLC: 15 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1866 MHz, 80 W)	
Intel® Xeon® processor E5-2637v2 (4C/8T, 3.50 GHz, TLC: 15 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 130 W)	
Intel® Xeon® processor E5-2640v2 (8C/16T, 2.00 GHz, TLC: 20 MB, Turbo: Yes, 7.2 GT/s, Mem bus: 1600 MHz, 95 W)	
Intel® Xeon® processor E5-2643v2 (6C/12T, 3.50 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 130 W)	
Intel® Xeon® processor E5-2650Lv2 (10C/20T, 1.70 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1600 MHz, 70 W)	
Intel® Xeon® processor E5-2650v2 (8C/16T, 2.60 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 95 W)	
Intel® Xeon® processor E5-2660v2 (10C/20T, 2.20 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 95 W)	
Intel® Xeon® processor E5-2667v2 (8C/16T, 3.30 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 130 W)	
Intel® Xeon® processor E5-2670v2 (10C/20T, 2.50 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 115 W)	
Intel® Xeon® processor E5-2680v2 (10C/20T, 2.80 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 115 W)	
Intel® Xeon® processor E5-2690v2 (10C/20T, 3.00 GHz, TLC: 25 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 130 W)	
Intel® Xeon® processor E5-2695v2 (12C/24T, 2.40 GHz, TLC: 30 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 115 W)	
Intel® Xeon® processor E5-2697v2 (12C/24T, 2.70 GHz, TLC: 30 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1866 MHz, 130 W)	
Memory slots	24 (12 DIMMs per CPU, 4 channels with 3 slots per channel)
Memory slot type	DIMM (DDR3)
Memory capacity (min. - max.)	4 GB - 1536 GB
Memory protection	Advanced ECC Memory Scrubbing SDDC (Chipkill™) Rank sparing memory support Memory Mirroring support

<b>Memory notes</b>	Max. 8 memory modules/CPU with UDIMM (low voltage or standard) OR quad-rank RDIMM; max. 12 memory modules/CPU with single or dual-rank RDIMM or single, dual-rank or quad-rank Load-Reduced (LR) DIMM. 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).			
<b>Memory options</b>	4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM			
	8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM			
	8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1866 MHz, PC3-14900, DIMM			
	16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM			
	16 GB (1 module(s) 16 GB) DDR3, registered, ECC, 1866 MHz, PC3-14900, DIMM			
	32 GB (1 module(s) 32 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM			
	64 GB (1 module(s) 64 GB) DDR3 LR, registered, ECC, 1333 MHz, PC3-10600, DIMM			
<b>Memory options</b>	8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1600 MHz, PC3-12800, DIMM			
<b>Interfaces</b>				
<b>USB 2.0 ports</b>	10 x USB 2.0 (2x front, 4x rear, 2x internal for backup devices, 1x USB stick, 1x uSSD)			
<b>Graphics (15-pin)</b>	2 x VGA (thereof 1x front optional)			
<b>Serial 1 (9-pin)</b>	1 x serial RS-232-C, usable for iRMC or system or shared			
<b>LAN / Ethernet</b>	2 x Gbit/s Ethernet (RJ45) with upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x 10 Gbit/s (SFP+)			
<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 or optional Modular LAN 2x10 Gbit controller Front Service LAN port as option			
<b>Onboard or integrated Controller</b>				
<b>RAID controller</b>	4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/10 or SAS LTO device (Intel C600) additional RAID controller options are described under Components RAID controller			
<b>SATA Controller</b>	Intel® C600, 1 x SATA channel for ODD			
<b>LAN Controller</b>	Intel® Ethernet Controller I350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated on-board LAN offers upgrade options for additional 2x1 Gbit/s, 4x 1 Gbit/s or 2x 10 Gbit/s. PXE-Boot via LAN from PXE server, iSCSI boot (also diskless)			
<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 / separate module; TCG V1.2 compliant (option)			
<b>Slots</b>				
<b>PCI-Express 3.0 x8</b>	5 x Low profile			
<b>PCI-Express 3.0 x16</b>	2 x Low profile (2nd processor required)			
<b>Slot Notes</b>	One PCIe Gen3 x8 slot may be occupied with a Modular integrated on-board LAN controller if configured. One PCIe Gen3 x8 slot may be occupied with a Modular RAID controller if configured. Important: 5 PCIe x8 slots are supported with the first processor. 7 PCIe slots (including 2 PCIe x16) are supported with two processors. Possible slot length described in relevant system onfigurator.			
<b>Drive bays</b>				
<b>Storage drive bays</b>	2.5-inch base unit (max. 16 x 2.5) or 3.5-inch base unit (max. 6 x 3.5)			
<b>Accessible drive bays</b>	1 x 5.25/0.5-inch for ODD 1 x 5.25/1.6-inch for ODD or backup devices 1 x 5.25/0.5-inch for Local Service Display			
<b>Notes accessible drives</b>	All possible options described in relevant system configurator.			
<b>Drive bays (Base unit specific)</b>				
<b>Storage drive bays</b>	Max 6 x 3.5-inch	Max 8 x 2.5-inch	Max 12 x 2.5-inch	Max 16 x 2.5-inch
<b>Optional accessible drives</b>	1x 3.5/1.6-inch bay for backup devices (occupies 2x 3.5-inch HDD)			LTO 5.25" or DAT/RDX 3.5" possible

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**General system information**

Number of fans	5
Fan configuration	redundant / hot-plug
Fan notes	4+1 redundant

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**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)
Service display	Optional: ServerView Local Service Display (LSD)

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**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 Windows and Linux versions Local and remote update via ServerView Update Manager SMBIOS V2.4 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>	Microsoft® Hyper-V Server R2 2012
	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
	Microsoft® Windows® Web Server 2008 R2
	Microsoft® Windows® Small Business Server 2011 Premium Add-On
	Microsoft® Windows® Small Business Server Standard 2011
	Microsoft® Windows® Server 2008 Datacenter
	Microsoft® Windows® Server 2008 Enterprise
	Microsoft® Windows® Server 2008 Standard
	Microsoft® Windows® Web Server 2008
	VMware vSphere™ 5.5 Embedded
	VMware vSphere™ 5.5
	VMware vSphere™ 5.0 Embedded
	VMware vSphere™ 5.0
	VMware vSphere™ 4.1
	VMware vSphere™ 4.1 Embedded
	VMware vSphere™ 4.1 Installable
	Novell® SUSE Linux Enterprise Server 11
	Red Hat® Enterprise Linux 6
	Red Hat® Enterprise Linux 5
	Red Hat® Enterprise Linux 5 with XEN
Citrix® XenServer®	
<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>	Support of other Linux derivatives on demand

## Server Management

<b>Standard</b>	<ul style="list-style-type: none"> <li>ServerView Suite - Deploy <ul style="list-style-type: none"> <li>SV Installation Manager</li> <li>SV Scripting Toolkit</li> <li>SV Deployment Manager (30-day trial version)</li> </ul> </li> <li>ServerView Suite - Control <ul style="list-style-type: none"> <li>SV Operations Manager incl. PDA and ASR &amp; R (Prefailure and Analysis; Automatic Server Recovery and Restart)</li> <li>SV Performance Management</li> <li>SV Power Management</li> <li>SV RAID Manager</li> </ul> </li> <li>ServerView Suite - Maintain <ul style="list-style-type: none"> <li>SV Remote Management (iRMC)</li> <li>SV Update Management (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>SV Asset Management</li> <li>SV Online Diagnostics</li> </ul> </li> <li>ServerView Suite - Integrate <ul style="list-style-type: none"> <li>SV Integration packs e.g. for Microsoft System Center, Nagios, HP, SIM, HP NNM, IBM Tivoli, Altiris Deployment Solutions and others</li> </ul> </li> </ul>
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**Server Management**

<b>Option</b>	ServerView Suite - Deploy SV Deployment Manager (full version) ServerView Suite - Maintain iRMC Advanced Pack incl. Advanced Video Redirection (AVR) and Remote Storage ServerView Suite - Dynamize SV Virtual-IO Manager (VIOM) SV Resource Orchestrator Virtual Edition (ROR VE) SV Resource Orchestrator Cloud Edition (ROR CE) ServerView Suite - Integrate SV Integration pack for Fujitsu ManageNow® solution
<b>Server Management notes</b>	Regarding Operating System dependencies for ServerView Suite Software Products see dedicated Product Data sheets.

**Dimensions / Weight**

<b>Rack (W x D x H)</b>	482.6 mm (Bezel) / 445mm (Body) x 770 x 86.9 mm
<b>Mounting Depth Rack</b>	735 mm
<b>Height Unit Rack</b>	2 U
<b>19" rackmount</b>	Yes
<b>Weight</b>	up to 25 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Rack integration kit</b>	Rack integration kit as option

**Environmental**

<b>Operating ambient temperature</b>	5 - 40 °C
<b>Operating temperature note</b>	Cool-Safe™ Advanced Thermal Design (above 35° or below 10° C) depending on configuration (planned). 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>Noise emission</b>	Measured according to ISO 7779 and declared according to ISO 9296
<b>Sound pressure (LpAm)</b>	Minimum noise : 23 dB(A) (idle) / 22 dB(A) (operating) Typical noise : 48 dB(A) (idle) / 49 dB(A) (operating)
<b>Sound power (LWAd; 1B = 10dB)</b>	Minimum noise : 3.9 B (idle) / 3.8 B (operating) Typical noise : 6.5 B (idle) / 6.6 B (operating)
<b>Noise notes</b>	Noise emissions and operation modes depend on system configuration.

**Electrical values**

<b>Power supply configuration</b>	1-2x 450 W / 800 W hot-plug power supply
<b>Max. output of single power supply</b>	450 W (94 % efficiency); 800 W (94 % / 96 % efficiency)
<b>Power supply efficiency</b>	94 % (80 PLUS platinum) 96 % (80 PLUS titanium) (planned)
<b>Hot-plug power supply output</b>	450 W (94 % efficiency); 800 W (94 % / 96 % efficiency)
<b>Hot-plug power supply redundancy</b>	Yes
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	47 Hz - 63 Hz
<b>Rated current max.</b>	8.2 A (100 V) / 3.3 A (240 V)
<b>Rated current in basic configuration</b>	100 V - 240 V / TBD
<b>Active power (min. configuration)</b>	53 W
<b>Active power (max. configuration)</b>	830 W
<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>Apparent power (max. configuration)</b>	873 VA
<b>Heat emission</b>	2988.0 kJ/h (2832.1 BTU/h)
<b>Power Supply Notes</b>	Power Safeguard adapts system performance in case the wattage exceeds supply limits.

**Compliance**

<b>Germany</b>	GS
<b>Europe</b>	CE Class A *

<b>Compliance</b>				
<b>USA/Canada</b>	CSAc/us FCC Class A			
<b>Global</b>	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment)			
<b>Japan</b>	VCCI			
<b>China</b>	CCC (planned)			
<b>Australia/New Zealand</b>	C-Tick			
<b>Taiwan</b>	CNS 13438 class A - planned			
<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.			
<b>Compliance link</b>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>			
<b>Global</b>				
<b>Compliance link</b>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>



# Components

## Storage drives

SSD SATA, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise
SSD SATA, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise
SSD SAS, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise
SSD SAS, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-inch, enterprise
PCIe-SSD, 785 GB, MLC, Flash drive, 7.7 DWPD (drive writes per day)
PCIe-SSD, 365 GB, MLC, Flash drive, 6 DWPD (drive writes per day)
PCIe-SSD, 1.2 TB, MLC, Flash drive, 7.7 DWPD (drive writes per day)
HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 2.5-inch, business critical
HDD SATA, 6 Gb/s, 250 GB, 7200 rpm, hot-plug, 2.5-inch, business critical
HDD SATA, 6 Gb/s, 3 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 2 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SATA, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 2.5-inch, business critical
HDD SAS, 6 Gb/s, 900 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 600 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 6 Gb/s, 600 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 500 GB, 7200 rpm, hot-plug, 2.5-inch, business critical
HDD SAS, 6 Gb/s, 450 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 6 Gb/s, 450 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 300 GB, 15000 rpm, hot-plug, 3.5-inch, enterprise
HDD SAS, 6 Gb/s, 300 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 300 GB, 10000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 146 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise
HDD SAS, 6 Gb/s, 4 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 3 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 2 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 3.5-inch, business critical
HDD SAS, 6 Gb/s, 1 TB, 7200 rpm, hot-plug, 2.5-inch, business critical
DOM SATA, 3 Gb/s, 64 GB, Mainstream Endurance, non hot plug, enterprise

## Backup Drives

LTO4HH Ultrium, 800 GB, 120 MB/s, half height, SAS 6Gb/s
LTO5HH Ultrium, 1500 GB, 140 MB/s, half height, SAS 6Gb/s
LTO6HH Ultrium, 2500 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-ROM; 8x DVD; 24x CD), slimline, SATA I
DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I

## SCSI / SAS Controller

SAS Ctrl. 6 Gbit/s 8 ports ext. PCIe Gen2 x8
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## RAID Controller

RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, LSI LSI MegaRAID SAS 9286CV-8e, 8 ports ext. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
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, Optional BBU (based on LSI SAS2108)
RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116C), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
RAID 0/1 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int. RAID level: 0, 1, 10, No BBU 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 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
<b>Communication, Network</b>	Converged Network Adapter 2 x 10 Gbit/s PCIe x8 ( Emulex ) Ethernet Ctrl. 1 x 1 Gbit/s PCIe x1 ( Intel® ) Ethernet Ctrl. 1 x 1 Gbit/s PCIe x4 ( Intel® ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe x8 ( Fujitsu ) Ethernet Ctrl. 2 x 10 Gbit/s PCIe x8 ( Intel® ) Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 ( Fujitsu ) Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 ( Intel® ) Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 ( Fujitsu ) Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 ( Intel® ) InfiniBand HCA 1 x 40 Gbit/s PCIe Gen2 x8 ( Intel® ) InfiniBand HCA 1 x 40 Gbit/s PCIe Gen3 x8 ( Mellanox ) InfiniBand HCA 1 x 56 Gbit/s PCIe Gen3 x8 ( Mellanox ) InfiniBand HCA 2 x 40 Gbit/s PCIe Gen2 x8 ( Intel® ) InfiniBand HCA 2 x 40 Gbit/s PCIe Gen3 x8 ( Mellanox ) InfiniBand HCA 2 x 56 Gbit/s PCIe Gen3 x8 ( Mellanox )
<b>Graphics</b>	NVIDIA® Quadro® NVS 300 LP, PCIe x1, 2x DVI/VGA
<b>Rack infrastructure</b>	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
<b>Warranty</b>	
<b>Standard Warranty</b>	3 years
<b>Service level</b>	Onsite Service (depending on country)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM">http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM</a>
<b>Maintenance and 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 24x7, 4h Onsite Response Time
<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 after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY RX300 S8, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build 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 offering. This allows customers to leverage 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/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu PRIMERGY RX300 S8, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts](http://www.fujitsu.com/fts)

## 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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## Contact

FUJITSU LIMITED

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