FUJITSU

Data Sheet FUJITSU Server PRIMERGY RX350 S7 Dual Socket 4U rack server

Maximum expandability in a 2 way server

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.

PRIMERGY RX350 S7

The Fujtisu Server PRIMERGY RX350 S7 is a 4U rack server with maximum levels of performance, expandability and availability. It combines the performance of Intel® Xeon® processors E5 family with up to two 6GB general-purpose computing on graphics processing units (GPGPU) for computationally intensive applications. The new modular concept supports exellent expandability with up to 24 hard disk drives, up to 10 PCIe Gen 3 cards and up to 768GB memory. Moreover the 4 hot-plug, power supply units with up to 94% efficiency and the new power management, will result in lower operational costs. Thanks to the upgrade kits as well as the cost-saving Modular LAN options, the RX350 is prepared for



future requirements. RX350 is ideal for database, consolidation or high performance computing scenarios.

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Features & Benefits

Main Features

Meet today's demand and be prepared for future requirements

- Intel Xeon E5-2600 product family with up to 8 core processors and Turbo Boost 2.0
- Up to 2 NVIDIA[®] Tesla[™] C2075 general-purpose computing on graphics processing units (GPGPU) with 448 cores each.

Lifecycle investment protection

- Expanded scalability of up to 24 DIMMs with 768 GB memory, up to 24 hard disk drives and 10 PCIe slots
- New modular concept for the base unit as well as a choice for LAN controller, RAID controller and power supplies
- Upgrade kits for hard disk drives, backup devices as well as LTO drives

Cost efficient operations

- Simplified power management with profils for 'minimum power' and 'low-noise'
- 4 hot-plug PSU with 94% efficiency
- 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 widelyused enterprise management systems.

Benefits

- Increased performance of up to 80% compared to the previous generation
- Optimized for business applications, cloud and virtualization as well as for computationally intensive applications, e.g. high performance computing (HPC) or computer tomography
- Maximum expandability to meet future demand
- Individual and cost-saving configuration of the server according to the need of today with upgrade option to meet the demand of tomorrow
- Upgrade kits save budget as the system can be upgraded when the company grows and thus protect the investment
- Ability to protect the data by integrating LTO drives
- Simplified and comprehensive powermanagement that results with the high efficient power supplies in significant savings
- Fujitsu ServerView Suite provides all the functions for fail-safe, flexible and automated 24x7 server operations and improves enduser productivity via intelligent and innovative system management solutions.

Technical details

PRIMERGY RX350 S7			
lousing types	Rack	Rack	
torage drive architecture	3.5-inch	2.5-inch	
Power supply	Hot-plug	Hot-plug	
Nainboard			
Nainboard type	D2949		
hipset	Intel® C600 (Intel® Patsburg A)		
Processor quantity and type	1 - 2 x Intel [®] Xeon [®] processor E5-	2600 product family	
rocessor	Intel [®] Xeon [®] processor E5-2603		
	(4C/4T, 1.80 GHz, TLC: 10 MB, Turbo: No, 6.4 GT/s, Mem bus: 1,066 MHz, 80 W)		
	Intel® Xeon® processor E5-2609		
	(4C/4T, 2.40 GHz, TLC: 10 MB, Tur	bo: No, 6.4 GT/s, Mem bus: 1,066 MHz, 80 W)	
	Intel [®] Xeon [®] processor E5-2620		
		rbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 95 W)	
	Intel [®] Xeon [®] processor E5-2630		
		rbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 95 W)	
	Intel [®] Xeon [®] processor E5-2630L		
		rbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 60 W)	
	Intel® Xeon® processor E5-2637		
		(2C/4T, 3.00 GHz, TLC: 5 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 80 W)	
	Intel® Xeon® processor E5-2640		
		rbo: Yes, 7.2 GT/s, Mem bus: 1,333 MHz, 95 W)	
	Intel® Xeon® processor E5-2643 (4C/8T, 3.30 GHz, TLC: 10 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 130 W)		
		DO: Yes, 8.0 GT/S, MeTH DUS: 1,600 MHZ, 130 W)	
	Intel® Xeon® processor E5-2650		
	(8C/16T, 2.00 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 95 W)		
	Intel® Xeon® processor E5-2650L		
	(8C/16T, 1.80 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 70 W)		
	Intel® Xeon® processor E5-2660 (8C/16T, 2.20 GHz, TLC: 20 MB, Turbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 95 W)		
	Intel [®] Xeon [®] processor E5-2665		
	•	rbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 115 W)	
	Intel [®] Xeon [®] processor E5-2667		
		rbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 130 W)	
	Intel [®] Xeon [®] processor E5-2670		
	•	rbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 115 W)	
	Intel [®] Xeon [®] processor E5-2680		
	1	rbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 130 W)	
	Intel [®] Xeon [®] processor E5-2690	,, ,	
		rbo: Yes, 8.0 GT/s, Mem bus: 1,600 MHz, 135 W)	
lemory slots	24 (12 DIMMs per CPU, 4 channel	s with 3 slots per channel)	
Nemory slot type	DIMM (DDR3)	I /	
Nemory capacity (min max.)	2 GB - 768 GB		
Nemory protection	Advanced ECC		
/	Memory Scrubbing		
	SDDC (Chipkill™)		
	Rank sparing memory support		
	Memory Mirroring support		

Memory notes Max. 8 memory modules/CPU with UDMM (low voltage or standard) Q quad-tank R0MM; max. 12 mer CPU with single or dual-rank R0MM or single, dual-rank to quad-rank Load-Factuced (LR) DMM. Memory Minoring with identical modules in both channel parts of a bank (4 modules per bank), Rank sp Performance Mode with identical modules in both channel parts of a bank (4 modules per bank), Rank sp Performance Mode with identical modules in both channel parts of a bank (4 modules per bank), Rank sp Performance Mode with identical modules in CC, 1, 303 MHz, PC3-10600, DIMM Memory options 4 GB (1 module(s) 6 GB) DDR3 IV, registered, ECC, 1, 333 MHz, PC3-10600, DIMM 8 GB (1 module(s) 6 GB) DDR3 IV, registered, ECC, 1, 303 MHz, PC3-10600, DIMM 16 GB (1 module(s) 16 GB) DDR3 IV, registered, ECC, 1, 300 MHz, PC3-10600, LRDIMM 16 GB (1 module(s) 16 GB) DDR3 IV, registered, ECC, 1, 300 MHz, PC3-10600, LRDIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 500 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 500 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, unbuffered, ECC, 1, 600 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 600 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 600 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 600 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 600 MHz, PC3-12800, DIMM 16 GB (1 module(s) 4 GB) DDR3 IV, registered, ECC, 1, 600 MHz, PC3-12800, DIMM <th></th>		
Performance Mode with identical modules in all four channels (4 modules per bank). Memory options 4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,333 MHz, PC3-10600, DIMM 4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,333 MHz, PC3-10600, DIMM 8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1,303 MHz, PC3-10600, LRDIMM 16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,300 MHz, PC3-12800, DIMM 32 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,300 MHz, PC3-12800, DIMM 32 GB (1 module(s) 2 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM 32 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM Interfaces USB 2.0 ports 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 1 (9-pin) 1 x serial RS-232-C, usable for iRMC S3 or system or shared LAN / Ethernet 2 x Gbits Ethernet (RAS) with upgrade options for additional 2x1 Gbits (R)(45), 4x1 Gbits (R)(45) or 2x Management LAN (R)(45) 1 x dericated management LAN profin (TMC S3) (1/10/1000 Mbits) Management LAN (R)(45) 1 x dericated management LAN profin (TMC S3) (1/10/1000 Mbits) Management LAN (R)(45) 1 x dericated management LAN profin (TMC S3) (1/10/1000 Mbits) Management LAN (R)(45) 1 x dericated management LAN profin (TMC S3) (1/10/1000 Mbits) Management LAN (R)(45) 1 x dortroller Front Service LAN port i		
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16 GB (1 module(s) 16 GB) DDR3 LR LV, registered, ECC, 1,333 MHz, PC3-10600, LRDIMM 16 GB (1 module(s) 32 GB) DDR3 LV, upsistered, ECC, 1,600 MHz, PC3-12800, DIMM Wemory options 4 GB (1 module(s) 4 GB) DDR3 LV, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM Interfaces USB 2.0 ports 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 19-pin) 1 x serial 85-22-C, usable for iRMC S3 or system or shared LAN / Ethernet 2 x Gbit/s Ethernet (RI4/5) with upgrade options for additional 2x1 Gbit/s (RI4/5), ex 1 Gbit/s (RI4/5) or 2x: Wanagement LAN (RI4/5) 1 x dedicated management LAN port for iRMC S3 in or system or shared Obboard or integrated Controller 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/17/IC device (Intel G600) SATA Controller Intel® 600, 2 x SATA chanel for DVD LAN / Controller Intel® 600, 2 x SATA chanel for DVD LAN / Controller Intel® 600, 2 x SATA chanel for DVD Anagement Controller Intel® Controller Gold additional 2x1 Gbit/s Grav are 2x1 O Gbit/s. RAD controller Intel® Controller Gold additional 2x1 Gbit/s Grav are 2x1 O Gbit/s. RATA Controller Intel® Controller Gold additional 2x1 Gbit/s Grav are 2x1 O Gbit/s. PKE-Boot via LAN from PKE sereere Cost GBICPU 1 - 2 NVIDLA®		
16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM 32 GB (1 module(s) 32 GB) DDR3 LR LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM Memory options 4 GB (1 module(s) 4 GB) DDR3 LR LV, registered, ECC, 1,600 MHz, PC3-12800, DIMM Interfaces 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 10-pin) 1 x serial RS-232-C, usable for iRMC S3 or system or shared LAN / Ethernet 2 x Gbit/s Ethernet (R)45) with upgrade options for additional 2x1 Gbit/s (R)45), 4x 1 Gbit/s (R)45) or 2x '' Wanagement LAN (R)45) 1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN (R)45) 1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN (R)45) 1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN (R)45) 1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN (R)45) 1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN (R)45) 1 x dedicated for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAND 0/1/1C device (Intel (600) additional RAID controller AGN controller Intel® Ethernet Controller 1350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated options for additional 2x1 Gbit/s , 4x 1 Gbit/s . AGN controller Intel® Ethe		
32 GB (1 module(s) 32 GB) DDR3 L IV, registered, ECC, 1,333 MHz, PC3-10600, LRDIMM Memory options 4 GB (1 module(s) 4 GB) DDR3 LV, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM Interfaces USB 2.0 ports 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 1 (9-pin) 1 x serial RS-232-C, usable for iRMC S3 or system or shared LAN / Ethernet 2 x Cbit/s Ethernet (RJ45) with upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x Management LAN (RJ45) 1 x dedicated management LAN upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x Management LAN (RJ45) 1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s) Management LAN (RJ45) 1 x dedicated management LAN parts option Orboard or integrated Controller Front Service LAN port as option Front Service LAN Dot for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/1C device (Intel (600) additional RAID controller options are described under Components RAID controller SATA Controller Intel® (600, 2 x SATA channel for DVD LAN Controller Intel® C600, 2 x SATA channel for DVD LAN Controller Intel® C600, 2 x SATA channel for DVD LAN Controller Intel® C600 via LAN from PXE server, ISCI boot (also diskless) R		
Memory options 4 GB (1 module(s) 4 GB) DDR3 LV, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM Interfaces USB 2.0 ports 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) 1 x serial RS-232-C, usable for IRMC S3 or system or shared LAN / Ethernet 2 x Gbit/s Ethernet (R)45) with upgrade options for additional 2x1 Gbit/s (R)45), 4x 1 Gbit/s (R)45) or 2x ⁻ Management LAN (R)45) 1 x dedicated management LAN port for IRMC S3 (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 Onboard or integrated Controller RAID controller 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/1C device (Intel (600) additional RAID controller options are described under Components RAID controller SATA Controller Intel® Ethernet Controller Intel® Controller Intel® Controller Intel® Controller Intel® Controller Intel® Controller Intel® Controller Is server, ISCS Iboot (also diskless) Remote Management Controller Integrated Remote Management Controller (IRMC S3, 2 X 0/100/1000 Mbit/s Ethernet (W0 acceleration), Modular integrated o offers upgrade options for additional 2x1 Gbit/s, 4x 1 Gbit/s or 2x 10 Gbit/s. PXE-Boot via LAN from PXE server, ISCS Iboot (also diskless) Remote Management Controller Intel® Ethernet Controller (IRMC S3, 23 2 MB attached memory incl. graphics controller) IPM 1.0 compatible		
Interfaces USB 2.0 ports 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 1 (9-pin) 1 x serial RS-232-C, usable for iRMCS3 or system or shared LAN / Ethernet 2 x Gbit/s Ethernet (R)45) with upgrade options for additional 2x1 Gbit/s (R)45), 4x 1 Gbit/s (R)45) or 2x Management LAN (R)45) 1 x dedicated management LAN torffic can be switched to shared onboard Gbit LAN port or optional Modular LAN tax10 Gbit controller RAID controller 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/1C device (Intel G600) additional RAID controller office (FG00) SATA Controller Intel® Ethernet Controller office (R)2 x SATA channel for DVD LAN / For PXE-Boot via LAN from PXE server, ISCSI boot (also diskless) Remote Management Controller Intel® Ethernet Controller office (RMC S3, 32 MB attached memory incl. graphics controller) LPV / Coprocessor 1-2 NVIDIA® Tesla® C2075 GPCPU 1-2 NVIDIA® Tesla®		
USB 2.0 ports 10 Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 1 (9-pin) 1 x serial RS-232-C, usable for iRMC S3 or system or shared LAN / Ethernet 2 x Gbit/s Ethernet (RJ45) with upgrade options for additional 2x1 Gbit/s (RJ45), 4x 1 Gbit/s (RJ45) or 2x Management LAN (RJ45) 1 x dedicated management LAN port for iRMC S3 (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 Onboard or integrated Controller 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/10 device (Intel (600) additional RAID controller options are described under Components RAID controller SATA Controller Intel® Ethernet Controller 1350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated o offers upgrade options for additional 2x1 Gbit/s or 2x 10 Gbit/s. PXE-Boot via LAN from PXE server, iSC3 boot (also diskless) Remote Management Controller Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller) IPMI 2.0 compatible GPU / Coprocessor 1-2 NVIDIA® Tesla® K20 and K20X GPGPU 1-2 NVIDIA® Tesla® K20 and K20X GPGPU 1-2 NVIDIA® Tesla® (2075 GPGPU		
Graphics (15-pin) 2 x VGA (thereof 1x front optional) Serial 1 (9-pin) 1 x serial RS-232-C, usable for iRMC S3 or system or shared LAN / Ethernet 2 x Gbit/s Ethernet (RJ4S) with upgrade options for additional 2x1 Gbit/s (RJ4S), 4x 1 Gbit/s (RJ4S) or 2x * Management LAN (RJ4S) 1 x dedicated management LAN port for iRMC S3 (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 Onboard or integrated Controller 4 port for internal 3G SATA and SAS (as upgrade option with SAS enabling key) for HDDs with RAID 0/1/1C device (Intel (G60) additional RAID controller options are described under Components RAID controller SATA Controller Intel® (600, 2 x SATA channel for DVD LAN Controller Intel® Ethernet Controller 1350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated o 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) Remote Management Controller Integrated Remote Management Controller (IRMC S3, 32 MB attached memory incl. graphics controller) IPMI 2.0 compatible GPU / Coprocessor 1-2 NVIDLA® Tesla® K20 and K20X GPGPU 1-2 Intel® Xeon® Phi S110P coprocessor Slots PCI-Express 3.0 x4 (mech. x8) 2 x Full height (2nd processor required) PCI-Express 3.0 x8 (mech. x1		
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Slot NotesOne 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 slots are supported with the first processor. 10 PCIe slots are supported with two proces	SSOIS.	
Drive bays		
Storage drive bays 2.5-inch or 3.5-inch hot-plug SAS/SATA		
Accessible drive bays 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 Notes accessible drives All possible options described in relevant system configurator.		
Drive bays		
Storage drive bays Max 12 (4 + 4 + 4) x 3.5-inch Max 24 (8 + 8 + 8) x 2.5-inch		

Drive bays		
Optional accessible drives	3x 5.25/1.6-inch bay for accessible devices (HDD: 4x 3.5- inch hot-plug SAS/SATA or LTO drive)	3x 5.25/1.6-inch bay for accessible devices (HDD: 8x 2.5 inch hot-plug SAS/SATA and LTO drive)
General system information		
Number of fans	6	
Fan configuration	4 + 2 redundant / hot-plug	
Fan notes	For system cooling: 4 fans as standard and additionally 2 ϵ	extra fans for redundancy.
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)	
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	

Certified or supported operating	Microsoft® Hyper-V Server R2 2012
systems and virtualization software	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 HPC Server® 2008 R2 Suite
	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
	SUSE® Linux Enterprise Server 11
	SUSE® Linux Enterprise Server 10
	SUSE® Linux Enterprise Server 10 with XEN
	Red Hat® Enterprise Linux 6
	Red Hat® Enterprise Linux 5
	Red Hat® Enterprise Linux 5 with XEN
	Citrix® XenServer®
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
	SV Deployment Manager (30-day trial version)
	ServerView Suite - Control
	SV Operations Manager incl. PDA and ASR & R
	(Prefailure and Analysis; Automatic Server Recovery and Restart)
	SV Performance Management
	SV Power Management
	SV RAID Manager
	ServerView Suite - Maintain
	SV Remote Management (iRMC)
	SV Update Management (BIOS, Firmware, Windows Drives and SV Agents)
	SV Asset Management
	SV Online Diagnostics
	ServerView Suite - Integrate SV Integration packs e.g. for Microsoft System Center, Nagios, HP, SIM, HP NNM, IBM Tivoli, Altiris
	Deployment Solutions and others
Ontion	
Option	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
Server Management notes	Regarding Operating System dependencies for ServerView Suite software Products see dedicated Product Data sheets.
Dimensions / Weight	
Rack (W x D x H)	482.6 mm (Bezel) / 448 mm (Body) x 736 x 177 mm
Mounting Depth Rack	700 mm
Height Unit Rack	4 U
19" rackmount	Yes
Weight	up to 35 kg
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit as option
Environmental	
Operating ambient temperature	10 - 35 °C
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)	
Sound pressure (LPAIII)	Standard Fan Configuration: 32 dB(A) (idle) / 33 dB(A) (operating)
	Redundant Fan Configuration: 33 dB(A) (idle) / 34 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	Low noise mode:
	Standard Fan Configuration: 5.0 B (idle) / 5.0 B (operating)
	Redundant Fan Configuration: 5.1 B (idle) / 5.1 B (operating)
Noise notes	Noise emissions and operation modes depend on system configuration.
Electrical values	
Power supply configuration	1-4x 450 W / 800 W hot-plug power supply
Max. output of single power supply	450 W / 800 W (94 % efficiency, 80 PLUS platinum)
Power supply efficiency Hot-plug power supply output	94 % (80 PLUS platinum) 450 W / 800 W (94 % efficiency, 80 PLUS platinum)

Electrical values	
Hot-plug power supply redundancy	Yes
Rated voltage range	100 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current in basic configuration	100 V - 240 V / TBD
Active power (max. configuration)	1,070 W
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/
Apparent power (max. configuration)	1,080 VA
Heat emission	3852.0 kJ/h (3651.0 BTU/h)
Power Supply Notes	Power Safeguard adapts system performance in case the wattage exceeds supply limits.
Compliance	
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Germany	CS CS
Europe	CE Class A *
USA/Canada	CSAc/us FCC Class A
Japan	VCCI
China	CCC (depending on configuration)
Australia/New Zealand	C-Tick
Taiwan	CNS 13438 class A - planned
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

SSD SATA, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise	
SSD SATA, 6 Gb/s, 100 GB, MLC, hot-plug, 2.5-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, 2.5-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, 2.5-inch, enterprise	
SSD SAS, 6 Gb/s, 400 GB, SLC, hot-plug, 2.5-inch, enterprise	
SSD SAS, 6 Gb/s, 400 GB, MLC, hot-plug, 2.5-inch, enterprise	
SSD SAS, 6 Gb/s, 200 GB, MLC, hot-plug, 2.5-inch, enterprise	
HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 3.5-inch, business critical	
HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical	
HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical	
HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical	
HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical	
HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 3.5-inch, business critical	
HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, hot-plug, 2.5-inch, business critical	
HDD SATA, 3 Gb/s, 2 TB, 7,200 rpm, hot-plug, 3.5-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, 500 GB, 7,200 rpm, hot-plug, 2.5-inch, business critical	
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, 15,000 rpm, hot-plug, 2.5-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, 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	
DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0	
LTO3HH Ultrium, 400 GB, 60 MB/s, half height, SAS 3Gb/s	
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	
Blu-ray Disc™ Triple Writer, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I	
DVD-ROM, (16xDVD; 48xCD), half height, SATA I	
DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I	
DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I	

RAID Controller	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, LSI RAID Ctrl SAS 6G 1GB LSI, 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, LSI LSI MegaRAID SAS 9286CV-8e,
	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 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
	RAID level. 0, 1, 10, 5, 50, 0, 00, 1 db, Optional 1 b0 (based of 1515/52200) 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
Fiber Channel controller	•
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 4 Gbit/s#8 Gbit/s#16 Gbit/s Emulex LPe16000B LC-style
	Fibre Channel Host Bus Adapter 2 x 4 Gbit/s#8 Gbit/s#16 Gbit/s Emulex LPe16002B LC-style
Communication, Network	Converged Network Adapter 2 x 10 Gbit/s PCIe Gen2 x8 (Emulex)
	Ethernet Ctrl. 1 x 10 MBit/s#100 MBit/s#1 Gbit/s PCle Gen1.1 x1 (Intel®)
	Ethernet Ctrl. 1 x 1 Gbit/s PCIe x4 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s#1 Gbit/s#100 MBit/s PCIe Gen2.1 x8 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe Gen2 x8 (Fujitsu)
	Ethernet Ctrl. 2 x 1 Gbit/s#100 MBit/s#10 MBit/s PCle Gen2.1 x4 (Intel®)
	Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 (Fujitsu)
	Ethernet Ctrl. 4 x 1 Gbit/s#100 MBit/s#10 MBit/s PCle Gen2.1 x4 (Intel®)
	Ethernet Ctrl. 4 x 1 Gbit/s PCIe x4 (Fujitsu)
	InfiniBand HCA 1 x 40 Gbit/s PCIe Gen2 x8 (Intel®)
	InfiniBand HCA 1 x 40 Gbit/s PCIe Gen2 x8 (Mellanox)
	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 $^{\circ}$)
	InfiniBand HCA 2 x 40 Gbit/s PCIe Gen3 x8 (Mellanox)
	InfiniBand HCA 2 x 56 Gbit/s PCIe Gen3 x8 (Mellanox)
Coprocessor	NVIDIA® Tesla™ K20, 2,496 cores, PCIe Gen2 x16
	NVIDIA® Tesla™ K20X, 2,688 cores, PCIe Gen2 x16
Graphics add on cards	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA
Coprocessor	Intel® Xeon Phi™ 5110P, 60 Cores / 240 Threads, PCIe Gen2 x16
Rack infrastructure	Rack Mount Kit
	Cable Management for 19-inch DataCenter / PRIMECENTER Racks
	Cable Arm 2U for PRIMECENTER- and 3rd-party racks
Warranty	
Standard Warranty	3 years
Service level	Onsite Service (depending on country)
Warranty Terms & Conditions Maintenance and Support Services	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM - 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.
Spare Parts availability	5 years

Warranty	
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY RX350 S7, 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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