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Data Sheet Fujitsu PRIMERGY RX350 S7 Dual Socket 4 U rack server

Maximum expandability in a 2 way server

The 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 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.





Features and 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 Gen3
- 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		
Housing types	Rack	Rack
Storage drive architecture	4x 3.5" SAS/SATA	8x 2.5" SAS/SATA
Power supply	Hot-plug	Hot-plug
Mainboard		
Mainboard type	D2949	
Chipset	Intel [®] C600 (Intel [®] Patsburg A)	
Processor quantity and type	1 - 2 x Intel [®] Xeon [®] processor E5-26	00 product family
Processor	Intel [®] Xeon [®] processor E5-2603	
	•	No, 6.4 GT/s, Mem bus: 1066 MHz, 80 W)
	Intel [®] Xeon [®] processor E5-2609	
	•	No, 6.4 GT/s, Mem bus: 1066 MHz, 80 W)
	Intel [®] Xeon [®] processor E5-2620	
	•	: Yes, 7.2 GT/s , Mem bus: 1333 MHz, 95 W)
	Intel [®] Xeon [®] processor E5-2630	
	•): Yes, 7.2 GT/s , Mem bus: 1333 MHz, 95 W)
	Intel [®] Xeon [®] processor E5-2630L	
	•): Yes, 7.2 GT/s , Mem bus: 1333 MHz, 60 W)
	Intel [®] Xeon [®] processor E5-2637	
	•	es, 8.0 GT/s , Mem bus: 1600 MHz, 80 W)
	Intel® Xeon® processor E5-2640	
	•	: Yes, 7.2 GT/s , Mem bus: 1333 MHz, 95 W)
	Intel [®] Xeon [®] processor E5-2643	. 163, 7.2 01/3, INCITI DUS. 1333 INITZ, 33 W)
	•	Yes, 8.0 GT/s , Mem bus: 1600 MHz, 130 W)
	Intel® Xeon® processor E5-2650	
	•	: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 95 W)
	Intel [®] Xeon [®] processor E5-2650L	. 1es, 6.0 d1/s , Mein bus. 1000 Mil2, 55 Wj
	•): Yes, 8.0 GT/s , Mem bus: 1600 MHz, 70 W)
		. res, 6.0 ut/s , metri bus. 1000 mnz, 70 wj
	Intel [®] Xeon [®] processor E5-2660	Vac 8.0 CT/c. Mam buc: 1600 MHz 05 W)
	Intel® Xeon® processor E5-2665	: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 95 W)
	•	: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 115 W)
	Intel [®] Xeon [®] processor E5-2667	
	(6C/12T, 2.90 GHz, TLC: 15 MB, Turbo	v: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 130 W)
	Intel [®] Xeon [®] processor E5-2670	
	(8C/16T, 2.60 GHz, TLC: 20 MB, Turbo	v: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 115 W)
	Intel [®] Xeon [®] processor E5-2680	
	(8C/16T, 2.70 GHz, TLC: 20 MB, Turbo): Yes, 8.0 GT/s , Mem bus: 1600 MHz, 130 W)
	Intel [®] Xeon [®] processor E5-2687W	
	(8C/16T, 3.10 GHz, TLC: 20 MB, Turbo	: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 150 W)
	Intel [®] Xeon [®] processor E5-2690	
	(8C/16T, 2.90 GHz, TLC: 20 MB, Turbo	: Yes, 8.0 GT/s , Mem bus: 1600 MHz, 135 W)
Memory slots	24 (12 DIMMs per CPU, 4 channels w	ith 3 slots per channel)
Memory slot type	DIMM (DDR3)	
Memory capacity (min max.)	2 GB - 768 GB	
Memory protection	Advanced ECC	
	Memory Scrubbing	
	SDDC (Chipkill™)	
	Hot-spare memory support	
	Rank sparing memory support	
	Memory Mirroring support (as soon a	is released)

Memory notes	
	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).
Memory options	4 GB (1 module(s) 4 GB) DDR3 LV, registered, ECC, 1333 MHz, PC3-10600, DIMM
, ,	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, 1333 MHz, PC3-10600, DIMM
	8 GB (1 module(s) 8 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM
	16 GB (1 module(s) 16 GB) DDR3 LR LV, registered, ECC, 1333 MHz, PC3-10600, LRDIMM
	16 GB (1 module(s) 16 GB) DDR3 LV, registered, ECC, 1600 MHz, PC3-12800, DIMM
	32 GB (1 module(s) 32 GB) DDR3 LR LV, registered, ECC, 1333 MHz, PC3-10600, LRDIMM
Memory options	2 GB (1 module(s) 2 GB) DDR3 LV, unbuffered, ECC, 1600 MHz, PC3-12800, DIMM
	4 GB (1 module(s) 4 GB) DDR3 LV, unbuffered, ECC, 1600 MHz, PC3-12800, DIMM
Interfaces	
USB ports	10 x USB 2.0 (2x front, 4x rear, 2x internal for backup devices, 1x USB stick, 1x USSD)
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 10 Gbit/s (SFP+)
Service LAN (RJ45)	1 x dedicated management LAN port for iRMC S3 (10/100/1000 Mbit/s)
	Service LAN traffic can be switched to shared onboard Gbit LAN port
	or optional Modular LAN 2x10Gbit controller
	Front management LAN port as option
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)
Onboard or integrated Controller	
· · · · · · · · · · · · · · · · · · ·	4 port for internal 3G SATA and SAS (as upgrade option "Patsburg B") for HDDs with RAID 0/1/10 or SAS LTO device
· · · · · · · · · · · · · · · · · · ·	4 port for internal 3G SATA and SAS (as upgrade option "Patsburg B") for HDDs with RAID 0/1/10 or SAS LTO device (Intel C600)
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RAID controller	(Intel C600) See under Components RAID controller
RAID controller SATA Controller	(Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD
RAID controller SATA Controller	(Intel C600) See under Components RAID controller
RAID controller SATA Controller	(Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD Intel® Ethernet Controller I350, 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), Modular integrated on-board LAN
RAID controller SATA Controller LAN Controller	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD 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.
RAID controller SATA Controller LAN Controller Remote Management Controller	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD Intel® Ethernet Controller 1350, 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM)	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots PCI-Express 3.0 x4 (mech. x8)	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD Intel® Ethernet Controller 1350, 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU Infineon / separate module; TCG V1.2 compliant (option)
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots PCI-Express 3.0 x4 (mech. x8) PCI-Express 3.0 x8	(Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD Intel® Ethernet Controller 1350, 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU Infineon / separate module; TCG V1.2 compliant (option) 2 x Full height (2nd processor required)
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots PCI-Express 3.0 x4 (mech. x8) PCI-Express 3.0 x8 (mech. x16)	(Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU Infineon / separate module; TCG V1.2 compliant (option) 2 x Full height (2nd processor required) 4 x Full height (here of 1 is reserved for Modular RAID controller)
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots PCI-Express 3.0 x4 (mech. x8) PCI-Express 3.0 x8 PCI-Express 3.0 x8 (mech. x16) PCI-Express 3.0 x16	(Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU Infineon / separate module; TCG V1.2 compliant (option) 2 x Full height (2nd processor required) 4 x Full height (here of 1 is reserved for Modular RAID controller) 1 x Full height
Onboard or integrated Controller RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots PCI-Express 3.0 x4 (mech. x8) PCI-Express 3.0 x8 (mech. x16) PCI-Express 3.0 x16 PCI-Express 2.0 x4 (mech. x8) Slot Notes	(Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD Intel® Ethernet Controller 1350, 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU Infineon / separate module; TCG V1.2 compliant (option) 2 x Full height (2nd processor required) 4 x Full height (here of 1 is reserved for Modular RAID controller) 1 x Full height (2nd processor required)
RAID controller SATA Controller LAN Controller Remote Management Controller GPU computing card Trusted Platform Module (TPM) Slots PCI-Express 3.0 x4 (mech. x8) PCI-Express 3.0 x8 (mech. x16) PCI-Express 3.0 x16 PCI-Express 2.0 x4 (mech. x8)	 (Intel C600) See under Components RAID controller Intel® C600, 2 x SATA channel for DVD Intel® Ethernet Controller 1350, 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) Integrated Remote Management Controller (iRMC S3, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible 1-2 NVIDIA® Tesla™ C2075 GPGPU Infineon / separate module; TCG V1.2 compliant (option) 2 x Full height (2nd processor required) 4 x Full height (here of 1 is reserved for Modular RAID controller) 1 x Full height 2 x Full height (2nd processor required)

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 configur	ator.	
Drive bays			
Storage drive bays	4 x 3.5-inch hot-plug SAS/SATA	8 x 2.5-inch hot-plug SAS/SATA	
Storage drive bay configuration	5.25/1.6-inch bay for 4x 3.5-inch hot-plug SAS/SATA	5.25/1.6-inch bay for 8x 2.5-inch hot-plug SAS/SATA	
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)	
Number of fans	6		
Fan notes	For system cooling: 4 fans as standard and additionally 2	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		

Operating Systems and Virtualization	
Certified or supported operating systems and virtualization software	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™ 5.0 Embedded
	VMware vSphere™ 5.0
	VMware vSphere™ 4.1
	VMware vSphere™ 4.1 Embedded
	VMware vSphere™ 4.1 Installable
	VMware vSphere™ 4.0
	VMware vSphere™ 4.0 Embedded
	VMware vSphere™ 4.0 Installable
	Novell® SUSE Linux Enterprise Server 11
	Novell® SUSE Linux Enterprise Server 10
	Novell® 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=a9e600b9-e4cb-4f48-aa41-632f69058421
)perating system notes	Support of other Linux derivatives on demand
erver Management itandard	Sarvad/iau Suita Daalay
Stanuaru	ServerView Suite - Deploy SV Installation Manager
	SV instanction 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 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

Server Management	
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℃
Operating relative humidity	10 - 55 C 10 - 85 % (non condensing)
· · · · ·	FTS 04230 – Guideline for Data Center (installation locations)
Operating environment	
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Noise emission	Measured according to ISO 7779 and declared according to ISO 9296
Sound pressure (LpAm)	Low noise mode:
	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)
Electrical values	
Power supply configuration	1-4x 450W/800W hot-plug power supply
Max. output of single power supply	450/800 W (94% efficiency)
Power supply efficiency	94% (at 50% PSU load, CSCI "platinum")
Hot-plug power supply output	450/800 W (94% efficiency)
Hot-plug power supply redundancy	Yes
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Rated current in basic configuration	100 V - 240 V / TBD
Active power (max. configuration)	1070 W
Apparent power (max. configuration)	1080 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	GS
Germany	
Europe	CE Class A *
	CSAc/us
USA/Canada	
	FCC Class A
USA/Canada Global	СВ

Compliance	
China	CCC (depending on configuration)
Australia/New Zealand	C-Tick
Taiwan	CNS 13438 class A - planned
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 use may be required to take adequate measures.
Compliance link	http://sp.ts.fujitsu.com/sites/certificates/

Components

Storage disks	SSD SATA, 3 Gb/s, 32 GB, SLC, 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, 200 GB, SLC, hot-plug, 2.5-inch, enterprise
	SSD SAS, 6 Gb/s, 100 GB, SLC, hot-plug, 2.5-inch, enterprise
	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 SATA, 3 Gb/s, 2 TB, 7200 rpm, hot-plug, 3.5-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, 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, 73 GB, 15000 rpm, hot-plug, 2.5-inch, enterprise
Backup Drives	DDS Gen5, 36 GB, 3 MB/s, half height, USB 2.0
	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, 1500 GB, 140 MB/s, half height, SAS 6Gb/s
	RDX Drive, 160 GB, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 2.0
Optical drives	Blu-ray Disc™ Triple Writer, (4x BD-RW; 16x DVD; 40x CD), half height, 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
	DVD Super Multi, (8xDVD/DVD+RW, 6xDVD-RW, 5xDVD-RAM; 24xCD/CD-R, 16xCD-RW), slimline, SATA I
SCSI / SAS Controller	SAS Ctrl. 6 Gb 8 ports ext. PCIe Gen2 x8

RAID Controller	RAID 5/6 Ctrl., SAS/SATA 6 Gb, 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 Gb, 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 Gb, 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 0/1 Ctrl., SAS/SATA 6 Gb, Fujitsu RAID Ctrl SAS 6G 0/1 (D2607), 8 ports int. RAID level: 0, 1, 10, No BBU support (based on LSI SAS2008)
ibre Channel controller	Fibre Channel Host Bus Adapter 1 x 8 Gb Qlogic QLE2560 MMF LC-style
	Fibre Channel Host Bus Adapter 2 x 8 Gb Qlogic QLE2562 MMF LC-style
	Fibre Channel Host Bus Adapter 1 x 8 Gb Emulex LPe1250 MMF LC-style
	Fibre Channel Host Bus Adapter 2 x 8 Gb Emulex LPe12002 MMF LC-style
AN Controller	Converged Network Adapter 2 x 10 Gb Emulex OCe10102
	Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit CT Desktop Adapter
	Ethernet Ctrl. 1 x 1 Gb Intel [®] PRO/1000 PF Server Adapter
	Ethernet Ctrl. 2 x 10 Gb Fujitsu Eth Ctrl 2x10Gbit PCIe x8 D2755 SFP+
	Ethernet Ctrl. 2 x 10 Gb Fujitsu Shared 10Gb Management LAN configured
	Ethernet Ctrl. 2 x 10 Gb Fujitsu Upgrade-Kit to 2x Gbit and 2x 10Gbit on-board
	Ethernet Ctrl. 2 x 1 Gb Fujitsu LAN Adapter D2735-2
	Ethernet Ctrl. 2 x 1 Gb Fujitsu Upgrade-Kit to 4x Gbit on-board
	Ethernet Ctrl. 4 x 1 Gb Fujitsu Eth Ctrl 4x1Gbit PCIe x4 D2745 Cu
	Ethernet Ctrl. 4 x 1 Gb Fujitsu Upgrade-Kit to 6x Gbit on-board
	InfiniBand HCA 1 x 40 Gb Mellanox
	InfiniBand HCA 1 x 56 Gb Mellanox
	InfiniBand HCA 2 x 40 Gb Mellanox
	InfiniBand HCA 2 x 56 Gb Mellanox
raphics add on cards	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA
iPU computing card	NVIDIA® Tesla™ C2075, 448 cores, PCIe Gen2 x16
ack infrastructure	Rackmount kit full extraction (760mm), tool less mounting, length variable 714-785mm
	Cable Management for 19-inch DataCenter / PRIMECENTER Racks
	Cable Arm 2U for PRIMECENTER- and 3rd-party racks
Warranty	
Standard Warranty	3 years
Service level	On-site Service (depending on country)
Maintenance and Support Service	es - the perfect extension
Recommended Service	7x24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
Spare Parts availability	5 years
Service Lifecycle	
Service Weblink	http://www.fujitsu.com/fts/services

More information

Fujitsu platform solutions

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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www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY RX350 S7, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/fts

Fujitsu green policy innovation

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Please find further information at http://www. fujitsu.com/global/about/environment/



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