# DATASHEET
# FUJITSU PRIMERGY RX300 S5 DUAL-SOCKET 2U RACK SERVER

## VIRTUALIZATION NEEDS A RELIABLE BASIS - RX300 S5 TO MEET THE HIGHEST DEMANDS

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 RX300 S5

The consolidation of dedicated servers and the use of efficient virtualized run environments provide measurable benefits and new flexibility regarding IT operations management. Virtual servers can thus be moved to other servers during ongoing operations and enable maintenance work to the hardware platform without any operational interruption. Active virtual servers can be flexibly moved to systems with higher performance for operation during peak-load times. Test systems can be very easily converted via live migration to production systems. Virtualized environments are the top application for RX300 systems and their new multi-core CPUs in the Intel® Xeon® 5500 series. In this situation, several operating systems plus the installed applications have to run simultaneously on one and the same physical hardware. RX300 S5 provides all the platform features required for efficient virtualization:
- High, scalable I/O performance with PCIe Gen2, x4/x8 Turbo mode, up to 7 free PCIe slots - so that disk I/O and network/SAN accesses do not become a bottleneck!
- The generosity of the maximum 144 GB main memory for a high-performance determinable, optimal sizing of the virtual server environment making the main memory never become the point of contention for Hypervisors, operating systems nor consolidated applications.
- Top performance with state-of-the-art Dual  Quad or Turbo Quad-Core Intel® Xeon® 5500 series CPUs as well as double I/O performance with PCIe Gen2.0 - so that every virtual system can work at a higher performance level than before.
- The reliability of a premium server system in a space-saving 2 U design so that the cost benefits arising from standardized rack servers and virtual systems do not become a survival risk!The reliability of the RX300 server platform also leaves nothing to be desired in other application areas, e.g. as database servers or application servers for business-critical processes.

# FEATURES AND BENEFITS

| MAIN FEATURES | BENEFITS |
|---|---|
| **DESIGNED FOR HIGHEST PERFORMANCE NEEDS** | |
| ■ Dual, Quad and Turbo Quad-Core CPU of the Intel Xeon processor 5500 series with up to 8 MB TLC and VT-x | ■ More virtual machines and applications can be used on one server |
| ■ Up to 144 GB state-of-the art DDR3 main memory | ■ More certainty that VMs run at high performance |
| ■ 7 PCIe Gen2 double I/O throughput | ■ Double I/O bandwidth so that the combined SAN and network accesses achieve optimal throughput |
| ■ 2 x Gbit/s Ethernet LAN with VT-c (I/O acceleration and VMDq) | ■ Low-priced high-speed slot option |
| ■ Patented IOOP (auto-accumulated from 2 x x4 to 1 x x8) | ■ More than 6 TByte of low-priced internal hard disk memory |
| ■ Choice between up to 12 x 2.5 or 6 x 3.5 inch hot-plug SAS and SATA hard disks | ■ Problem-free usage for market-relevant virtualization solutions |
| ■ Certification for Hyper-V, VMware, Xen Hypervisor | |
| **DESIGNED FOR HIGHEST RELIABILITY** | |
| ■ Memory sparing or mirroring option | ■ Particularly high levels of availability and reliability |
| ■ Hot-plug redundant power supplies and fans, | ■ Security level for each application scenario |
| ■ Hot-plug hard disks | ■ Permanently high performance levels available, increased component lifespan, less heat |
| ■ Cool-safe™ system design with high air thoughput | |
| ■ Integrated Remote Management Controller iRMC S2 plus optional iRMC Advanced Pack | ■ Easy, fast access from anywhere ensuring reliable operations |
| ■ Modular RAID for levels 0, 1, 5, 6,…. | ■ Low-priced, powerful data security |
| ■ Individual service packages | |
| **DESIGNED FOR HIGHEST ENERGY EFFICIENCY** | |
| ■ Highly efficient power supply units ≥89% and 92% (EPA-compliant) | ■ Energy-efficient operations reduces stress not only for the data center cooling system but also for the budget |
| ■ Sensor-controlled fan management | |
| ■ Power consumption management | ■ Individually defined profiles for power consumption prevent consumption levels being exceeded |
| ■ 2.5 inch hard disks with low consumption | |
| ■ Large slowly-rotating fans | ■ Low noise levels and perfect heat dissipataion |
| **DESIGNED FOR EASY SERVICEABILITY** | |
| ■ ServerView Local Service Panel (LSP) or display (LSD) | ■ Cost-reducing and pro-active customer self-service |
| ■ Switchable service LAN (shared or dedicated) | ■ Physically separated service access |
| ■ Illuminated green controls for hot-plug components | ■ Easy-to-use with standardized labelling |
| ■ Fully-extendable telescopic rails | ■ Comfortable rack installation and server operation |
| **SOLUTIONS FOR SERVER MANAGEMENT** | |
| ■ ServerView Suite - Proven tools for the efficient management of physical and virtual resources throughout the entire lifecycle: perfect installation - stable operations – secure updates - exact (remote) maintenance – easy integration in specific corporate management solutions | ■ The key to high-level IT benefits and reduced operational and service costs: greater reliability, lower downtimes and improved service quality |

# TECHNICAL DETAILS

| PRIMERGY RX300 S5 | | | |
|---|---|---|---|
| **Housing type** | Rack | Rack | Rack |
| **Hard disk architecture** | 12x 2.5" SAS/SATA | 6x 3.5" SAS/SATA | 8x 2.5" SAS/SATA |

| MAINBOARD | |
|---|---|
| **Mainboard type** | D 2619 |
| **Chipset** | Intel® 5520 |

| PROCESSOR | |
|---|---|
| | Intel® Xeon® processor E5502 <br> (2C/2T, 1.86 GHz, SLC: 2 x 256 KB, TLC: 4 MB, Turbo: No, 4.8 GT/s, Mem bus: 800 MHz, 80 W) |
| | Intel® Xeon® processor E5504 <br> (4C/4T, 2.00 GHz, SLC: 4 x 256 KB, TLC: 4 MB, Turbo: No, 4.8 GT/s, Mem bus: 800 MHz, 80 W) |
| | Intel® Xeon® processor E5506 <br> (4C/4T, 2.13 GHz, SLC: 4 x 256 KB, TLC: 4 MB, Turbo: No, 4.8 GT/s, Mem bus: 800 MHz, 80 W) |
| | Intel® Xeon® processor E5520 <br> (4C/8T, 2.26 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 80 W) |
| | Intel® Xeon® processor E5530 <br> (4C/8T, 2.40 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 80 W) |
| | Intel® Xeon® processor E5540 <br> (4C/8T, 2.53 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 80 W) |
| | Intel® Xeon® processor L5506 <br> (4C/4T, 2.13 GHz, SLC: 4 x 256 KB, TLC: 4 MB, Turbo: No, 4.8 GT/s, Mem bus: 800 MHz, 60 W) |
| | Intel® Xeon® processor L5520 <br> (4C/8T, 2.26 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 60 W) |
| | Intel® Xeon® processor L5530 <br> (4C/8T, 2.40 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 1/1/2/2, 5.86 GT/s, Mem bus: 1066 MHz, 60 W) |
| | Intel® Xeon® processor W5590 <br> (4C/8T, 3.33 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 1/1/1/2, 6.4 GT/s, Mem bus: 1333 MHz, 130 W) |
| | Intel® Xeon® processor X5550 <br> (4C/8T, 2.66 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 2/2/3/3, 6.4 GT/s, Mem bus: 1333 MHz, 95 W) |
| | Intel® Xeon® processor X5560 <br> (4C/8T, 2.80 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 2/2/3/3, 6.4 GT/s, Mem bus: 1333 MHz, 95 W) |
| | Intel® Xeon® processor X5570 <br> (4C/8T, 2.93 GHz, SLC: 4 x 256 KB, TLC: 8 MB, Turbo: 2/2/3/3, 6.4 GT/s, Mem bus: 1333 MHz, 95 W) |
| **Memory slots** | 18 (9 DIMMs per CPU, 3 channels with 3 slots per channel) |
| **Memory slot type** | DIMM (DDR3) registered |
| **Memory capacity (min. - max.)** | 2 GB - 144 GB |
| **Memory protection** | Advanced ECC <br> Memory Scrubbing <br> SDDC (Chipkill™) <br> Hot-spare memory support <br> Memory Mirroring support |
| **Memory notes** | max. 144 GB registered; min. 2 GB registered; <br> Memory Mirroring with 2 identical modules, Hot-spare Memory with three identical modules per channel |

| MEMORY MODULES INDEPENDENT MODE | |
|---|---|
| | 2 GB (1 module(s) 2 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 2 GB (1 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| | 4 GB (1 module(s) 4 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 4 GB (1 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| | 8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 8 GB (1 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |

| MEMORY MODULES MIRRORED MODE | 4 GB (2 module(s) 2 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
|---|---|
| | 4 GB (2 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| | 8 GB (2 module(s) 4 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 8 GB (2 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| | 16 GB (2 module(s) 8 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 16 GB (2 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| **MEMORY MODULES PERFORMANCE MODE** | 6 GB (3 module(s) 2 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 6 GB (3 module(s) 2 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| | 12 GB (3 module(s) 4 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 12 GB (3 module(s) 4 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |
| | 24 GB (3 module(s) 8 GB) DDR3, registered, ECC, 1066 MHz, PC3-8500 |
| | 24 GB (3 module(s) 8 GB) DDR3, registered, ECC, 1333 MHz, PC3-10600 |

## INTERFACES

| | |
|---|---|
| **USB ports** | 10 x USB 2.0 (3x front, 4x rear, 2x internal for backup devices plus 1x USB stick) |
| **Graphics (15-pin)** | 2 x VGA (thereof 1x front optional) |
| **Serial 1 (9-pin)** | 1 x serial RS-232-C,  usable for iRMC or system or shared |
| **Serial 2 (9-pin)** | 1 x serial RS-232-C |
| **LAN / Ethernet (RJ-45)** | 2  x Gbit/s Ethernet |
| **Service LAN (RJ45)** | 1 x dedicated service LAN port for iRMC S2 (10/100 Mbit/s)<br>Service LAN traffic can be switched to shared onboard Gbit LAN port |

## ONBOARD OR INTEGRATED CONTROLLER

| | |
|---|---|
| **RAID Controller** | Integrated RAID 0/1 or RAID 5/6 controller for SAS base units (occupies one PCIe slot, if at least 1 HDD is configured). See under Components RAID controller |
| **SATA Controller** | ICH10B, with two SATA channels for DVD + backup |
| **LAN Controller** | Intel® 82575EB , 2 x 10/100/1000 Mbit/s Ethernet (I/O acceleration), VT-c (I/O acceleration and VMDq), PXE boot via LAN from PXE server |
| **Remote Management Controller** | Integrated Remote Management Controller (iRMC S2, 32 MB attached memory incl. graphics controller), IPMI 2.0 compatible |
| **Trusted Platform Module (TPM)** | Infineon / separate module; TCG V1.2 compliant (option) |

## SLOTS

| | |
|---|---|
| **PCI-Express 2.0 x4 (mech. x8)** | 5 x low profile |
| **PCI-Express 2.0 x8** | 2 x low profile , both are notched x8 slot as well for x16 cards |
| **Slot Notes** | Two of four PCI-Express Gen2 x4 slots can be used as x8, if neighbour slot is empty.<br>One PCIe Gen2 x4 slot may be occupied with a modular RAID controller if configured. |

## DRIVE BAYS

| | |
|---|---|
| **Accessible drive bays** | 1 x 5.25/0.5-inch for CD-RW/DVD<br>1 x 3.5/0.5-inch for ServerView Local Service Panel  or Local Service Display<br>1 x 3.5/1.6-inch for backup devices (occupies 2x 3.5-inch HDD for basic unit 6x 3.5-inch) |
| **Notes accessible drives** | All possible options described in relevant system configurator. |

## DRIVE BAYS (BASE UNIT SPECIFIC)

| | | | |
|---|---|---|---|
| **Hard disk bays** | 12 x 2.5-inch hot-plug SAS/SATA | 6 x 3.5-inch hot-plug SAS/SATA | 8 x 2.5-inch hot-plug SAS/SATA |

## GENERAL SYSTEM INFORMATION

| | |
|---|---|
| **Number of fans** | 5 |
| **Fan configuration** | Hot-plug |

## OPERATING PANEL

| | |
|---|---|
| **Operating buttons** | On/off switch<br>NMI button<br>Reset button |

## OPERATING PANEL

| | |
|---|---|
| **Status LEDs** | System status (amber / yellow)<br>Identification (blue)<br>Hard disks access (green)<br>Power (amber / green)<br>At system rear side:<br>System status (amber / yellow)<br>Identification (blue)<br>LAN connection (green)<br>LAN speed (green / yellow) |
| **Service display** | Optional:<br>ServerView Local Service Panel (LSP)<br>ServerView Local Service Display (LSD) |

## BIOS

| | |
|---|---|
| **BIOS features** | ROM based setup utility<br>Recovery BIOS<br>BIOS settings save and restore<br>Local BIOS update from USB device<br>Online update tools for main Windows and Linux versions<br>Local and remote update via ServerView Update Manager<br>SMBIOS V2.4<br>Remote PXE boot support |

## OPERATING SYSTEM

| | |
|---|---|
| **Supported operating systems** | Microsoft® Windows Server® 2008 R2<br>Microsoft® Windows Server® 2008<br>Microsoft® Windows Server® 2003 R2<br>Novell SUSE Linux Enterprise Server<br>Red Hat Enterprise Linux<br>Citrix® XenServer™<br>VMware Infrastructure<br>VMware vSphere 4.0<br>Note: Support of other Linux derivatives on demand |
| **Operating system release link** | http://ts.fujitsu.com/software<br>http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421 |

## SERVER MANAGEMENT

| | |
|---|---|
| **Standard** | ASR&R Automatic Server Recovery and Restart<br>PDA Prefailure Detection and Anaylsis<br>ServerView Suite:<br>      SV Installation Manager<br>      SV Operation Manager<br>      SV RAID Manager<br>      SV Update Management<br>      SV Power Management<br>      SV Agents<br>Online update packages for BIOS, firmware drivers and ServerView Agents<br>ServerView Integration solutions for Microsoft SMS, MOM, SCOM, SCCM and Altiris<br>Deployment Solution ServerView Deployment Manager (fully functional 30-day trial version)<br>ServerView Deployment Manager (fully functional 30-day trial version) |
| **Option** | ServerView Integration for Tivoli TEC®, Tivoli NetView, HP NNM and HP Operations Manager<br>iRMC S2 Advanced Pack |
| **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 x 770 x 85.9 mm |
| **Mounting Depth Rack** | 730 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 |

| | |
|---|---|
| **Floor-stand (W x D x H)** | |
| **Rack (W x D x H)** | |

**ENVIRONMENTAL**

| | |
|---|---|
| **Noise emission** | Measured according to ISO 7779 and declared according to ISO 9296 |
| **Sound pressure (LpAm)** | 45 dB(A) (idle) / 45 dB(A) (operating) |
| **Sound power (LWAd; 1B = 10dB)** | 6.2 B (idle) / 6.2 B (operating) |
| **Operating ambient temperature** | 10 - 35°C |
| **Operating relative humidity** | 10 - 85 % (non condensing) |

**ELECTRICAL VALUES**

| | |
|---|---|
| **Power supply configuration** | hot-plug power supply as standard, redundancy as option (1 + 1 redundancy) |
| **Max. output of power supply** | 800 W |
| **Hot-plug power supply redundancy** | Yes |
| **Rated voltage range** | 100 - 240 V |
| **Rated frequency range** | 50 - 60 Hz |
| **Rated current max.** | 8.0 A – 3.5 A (100 V / 240 V) |
| **Rated current in basic configuration** | 4.2 A - 1.4 A (100 V / 240 V) |
| **Active power max. (per system unit)** | 733 W |
| **Apparent power max. (per system unit)** | 737 VA |
| **Heat emission** | 2638.8 kJ/h (2501.7 BTU) |

**COMPLIANCE**

| | |
|---|---|
| **Germany** | GS |
| **Europe** | CE |
| **USA/Canada** | CSAc/us<br>FCC Class A |
| **Global** | CB<br>RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment) |
| **Japan** | VCCI |
| **Australia/New Zealand** | C-Tick |
| **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. |
| **Compliance link** | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |

# COMPONENTS

| | |
|---|---|
| **HARD DISK DRIVES** | SSD SATA, 3 Gb/s, 64 GB, hot plug, 2.5-inch |
| | SSD SATA, 3 Gb/s, 32 GB, hot plug, 2.5-inch |
| | SATA, 3 Gb/s, 750 GB, 7200 rpm, hot plug, 3.5-inch |
| | SATA, 3 Gb/s, 500 GB, 7200 rpm, hot plug, 3.5-inch |
| | SATA, 3 Gb/s, 250 GB, 7200 rpm, hot plug, 3.5-inch |
| | SATA, 3 Gb/s, 160 GB, 7200 rpm, hot plug, 3.5-inch |
| | SATA, 3 Gb/s, 1 TB, 7200 rpm, hot plug, 3.5-inch |
| | SAS, 6 Gb/s, 600 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 6 Gb/s, 450 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 6 Gb/s, 300 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 6 Gb/s, 300 GB, 10000 rpm, hot plug, 2.5-inch |
| | SAS, 6 Gb/s, 146 GB, 15000 rpm, hot plug, 2.5-inch |
| | SAS, 6 Gb/s, 146 GB, 10000 rpm, hot plug, 2.5-inch |
| | SAS, 6 Gb/s, 73 GB, 15000 rpm, hot plug, 2.5-inch |
| | SAS, 3 Gb/s, 600 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 3 Gb/s, 450 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 3 Gb/s, 300 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 3 Gb/s, 300 GB, 10000 rpm, hot plug, 2.5-inch |
| | SAS, 3 Gb/s, 146 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 3 Gb/s, 146 GB, 15000 rpm, hot plug, 2.5-inch |
| | SAS, 3 Gb/s, 146 GB, 10000 rpm, hot plug, 2.5-inch |
| | SAS, 3 Gb/s, 73 GB, 15000 rpm, hot plug, 3.5-inch |
| | SAS, 3 Gb/s, 73 GB, 15000 rpm, hot plug, 2.5-inch |
| | SAS, 3 Gb/s, 73 GB, 10000 rpm, hot plug, 2.5-inch |
| **Hard disk notes** | Mix of 3.5-inch SAS and SATA HDD is possible but requires separate RAID sets<br>One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.<br>Accessible capacity may vary, also depending on used software |
| **TAPE DRIVES** | DDS Gen5 (for 3.5-inch HDD bay), 36 GB , 3 MB/s, half height, USB 2.0 |
| | DDS Gen5 3.5", 36 GB , 3 MB/s, half height, USB 2.0 |
| | RDX Drive (for 3.5-inch HDD bay), 80 GB, 160 GB, 320 GB , 25 MB/s, half height, USB 2.0 |
| | RDX Drive 3.5", 80 GB, 160 GB, 320 GB , 25 MB/s, half height, USB 2.0 |
| **OPTICAL DRIVES** | Blu-ray combo drive, (2x 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** | SCSI Ctrl 320 MB 1x int /1x ext |
| | SAS Ctrl 3 Gb 4 ports int. / 4 ports ext. |
| **RAID CONTROLLER** | RAID 5/6 Ctrl, SAS/SATA 3 Gb, LSI MegaRAID SAS8880E, 8 ports ext.<br>RAID level: 0, 1, 1+0, 5, 5+0, 6, 6+0, 512 MB Cache, optional BBU (based on LSI 1078) |
| | Integrated RAID 5/6 Ctrl, SAS/SATA 3 Gb,  RAID 5/6 SAS based on LSI MegaRAID 256MB, 8 ports int.<br>RAID level: , 256 MB Cache, optional BBU (based on LSI 1078) |
| | Integrated RAID 5/6 Ctrl, SAS/SATA 3 Gb, 8 ports int.<br>RAID level: 0, 1, 1+0, 5, 5+0, 6, 6+0, 512 MB Cache, optional BBU (based on LSI 1078) |
| | Integrated RAID 5/6 Ctrl,  6 Gb,<br>RAID level: , 512 MB Cache, optional BBU (based on LSI SAS2108) |
| | Integrated RAID 0/1 Ctrl, SAS/SATA 3 Gb, 8 ports int.<br>RAID level: 0, 1, 1E, no BBU support (based on LSI 1068e) |

| FIBRE CHANNEL CONTROLLER | Fibre Channel Ctrl 2 x 4 Gb Emulex LPe11002 MMF LC |
| --- | --- |
| | Fibre Channel Ctrl 1 x 4 Gb Emulex LPe1150 MMF LC |
| | Fibre Channel Ctrl 1 x 4 Gb Qlogic QLE2460 MMF LC |
| | Fibre Channel Ctrl 2 x 4 Gb Qlogic QLE2462 MMF LC |
| | Fibre Channel Ctrl 2 x 8 Gb Emulex LPe12002 MMF LC |
| | Fibre Channel Ctrl 1 x 8 Gb Emulex LPe1250 MMF LC |
| **LAN CONTROLLER** | 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 1 x 1 Gb Intel® PRO/1000 PT Server Adapter |
| | Ethernet Ctrl 2 x 10 Gb Intel® 10 Gigabit XF SR Dual Port Server Adapter |
| | Ethernet Ctrl 2 x 1 Gb Intel® PRO/1000 PT Dual Port Server Adapter |
| | Ethernet Ctrl 4 x 1 Gb Intel® PRO/1000 PT Quad Port Server Adapter |
| **LAN Controller notes** | Ethernet Ctrl 1 x 1 Gb Intel® Gigabit CT Desktop Adapter requires RHEL 4.8 or higher |
| **RACK INFRASTRUCTURE** | Cable Arm 2U for 3rd party racks |
| | Cable Management for 19-inch DataCenter / PRIMECENTER Racks |
| | Rackmount kit full extraction (760mm), tool less mounting |
| | Rackmount kit partly extraction (524mm), tool less mounting |

## WARRANTY

| **Standard Warranty** | 3 years |
| --- | --- |
| **Service level** | On-site Service (depending on country) |

## MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

| **Recommended Service** | 7x24, Onsite Response Time: 4h |
| --- | --- |
| **Spare Parts availability** | 5 years |

## FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu PRIMERGY RX300 S5, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing Products

www.fujitsu.com/global/services/computing/

### Software

www.fujitsu.com/software/

## MORE INFORMATION

Learn more about Fujitsu PRIMERGY RX300 S5, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://ts.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 resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/



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