

# Data Sheet

## Fujitsu PRIMERGY RX1330 M2 Server

Small in size and low in cost – rich in optional features

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### PRIMERGY RX1330 M2

The FUJITSU Server PRIMERGY RX1330 M2 is a mono-socket rack server designed to provide a solution for small budgets, yet enabling a rich set of optional expansions to best meet individual demands. Its usage patterns cover file, infrastructure and communication or collaboration applications by delivering up to 64 GB RAM, up to 3 PCIe slots and up to 10 2.5-inch hard disk drives. Moreover, this 1U server allows for diverse individual configurations with optional features, such as hot-plug power supply units, redundant fans and RAID controller. By delivering high energy efficiency and operation in higher ambient temperature thanks to optional Cool-safe® Advanced Thermal Design, the PRIMERGY RX1330 M2 also contributes to very low operational costs. ServerView™ Suite and remote management features (iRMC S4) simplify the administration.



# Features & Benefits

| Main Features   | Benefits   |
|---|--|
| <p><b>Low in costs</b></p> <ul style="list-style-type: none"> <li>■ High energy efficient</li> <li>■ Fujitsu ServerView™ suite and onboard remote management features (iRMC S4) enables centralized management</li> <li>■ Cool-safe® Advanced Thermal Design enables operation in a higher ambient temperature</li> </ul> <p><b>Flexible foundation for infrastructure tasks</b></p> <ul style="list-style-type: none"> <li>■ Intel Xeon processor E3-1200 v5 and up to 64 GB DDR4 memory, up to 3 PCIe slots and up to 10 storage drives</li> <li>■ Free choice: Up to 4x 3.5-inch or up to 10x 2.5-inch storage drives</li> <li>■ Broad selection of operating systems</li> </ul> <p><b>Rich set of optional features</b></p> <ul style="list-style-type: none"> <li>■ Choice of Intel Xeon E3 v5, Core i3, Celeron and Pentium processors</li> <li>■ Modular RAID controllers</li> <li>■ Redundant fans</li> <li>■ Hot-plug and redundant power supply (PSU) with 80 PLUS platinum energy efficiency (94 %)</li> <li>■ Full-height PCIe slot</li> </ul> <p><b>Integrated UPS - Easy &amp; reliable</b></p> <ul style="list-style-type: none"> <li>■ The Fujitsu FJBU internal battery backup is an alternative for classical UPS devices</li> <li>■ Compact battery unit that fits into modular PSU slot</li> <li>■ Ni-MH battery allows for a very long life time (5 years)</li> <li>■ Full integration into server management environment</li> </ul> | <ul style="list-style-type: none"> <li>■ Clear reduction in energy costs saving OPEX</li> <li>■ Comprehensive and simplified management reduce time for standard administration tasks</li> <li>■ Each additional degree means approximately 5-6 percent less energy costs for air-conditioning</li> <li>■ Cost-optimized foundation for file, infrastructure and communication applications</li> <li>■ Flexible to meet the individual demand, the huge storage capacity fulfills requirements of storage demanding application or services</li> <li>■ Red Hat Linux, Suse Linux, Microsoft Windows Server - it's up to you</li> <li>■ Perfectly meet the performance requirements with available budget</li> <li>■ Match redundancy requirements with available budget</li> <li>■ Keeps the server running during short blackouts or voltage fluctuations and enables a graceful shutdown</li> <li>■ Same life time as the server - no maintenance necessary</li> <li>■ Easy and clean setup: no cabling, no separate device</li> </ul> |

# Technical details

| <b>PRIMERGY RX1330 M2</b>               |  |                               |                               |                               |                               |
|---|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Base unit</b>                        | RX1330 M2 LFF  | RX1330 M2 LFF                 | RX1330 M2 SFF                 | RX1330 M2 SFF                 | RX1330 M2 SFF 10xSFF          |
| <b>Order code</b>                       | Order Code: S26361-K1550-V101  | Order Code: S26361-K1550-V201 | Order Code: S26361-K1550-V301 | Order Code: S26361-K1550-V401 | Order Code: S26361-K1550-V501 |
| <b>Housing types</b>                    | Rack   | Rack                          | Rack                          | Rack                          | Rack                          |
| <b>Storage drive architecture</b>       | 3.5-inch SAS/SATA  | 3.5-inch SAS/SATA             | 2.5-inch SAS/SATA             | 2.5-inch SAS/SATA             | 2.5-inch SAS/SATA             |
| <b>Power supply</b>                     | Standard   | Hot-plug                      | Standard                      | Hot-plug                      | Hot-plug                      |
| <b>Product Type</b>                     | Mono Socket Rack Server  | Mono Socket Rack Server       | Mono Socket Rack Server       | Mono Socket Rack Server       | Mono Socket Rack Server       |
| <b>Mainboard</b>                        |  |                               |                               |                               |                               |
| <b>Mainboard type</b>                   | D3375  |                               |                               |                               |                               |
| <b>Chipset</b>                          | Intel® C236  |                               |                               |                               |                               |
| <b>Processor quantity and type</b>      | 1 x Intel® Xeon® processor E3-1200 v5 product family / Intel® Core™ i3 processor / Intel® Pentium® processor / Intel® Celeron® processor       |                               |                               |                               |                               |
| <b>Graphics add on cards</b>            | Professional 2D: NVIDIA® NVS™315 LP, PCIe x16, 2x DVI/VGA  |                               |                               |                               |                               |
| <b>Processor</b>                        | Intel® Xeon® processor E3-1280v5 (4C/8T, 3.70 GHz, 2,133 MHz)  |                               |                               |                               |                               |
|   | Intel® Xeon® processor E3-1270v5 (4C/8T, 3.60 GHz, 2,133 MHz)  |                               |                               |                               |                               |
|   | Intel® Xeon® processor E3-1260Lv5 (4C/8T, 2.90 GHz, 2,133 MHz)   |                               |                               |                               |                               |
|   | Intel® Xeon® processor E3-1240v5 (4C/8T, 3.50 GHz, 2,133 MHz)  |                               |                               |                               |                               |
| <b>Processor</b>                        | Intel® Xeon® processor E3-1240Lv5 (4C/8T, 2.10 GHz, 2,133 MHz)   |                               |                               |                               |                               |
|   | Intel® Xeon® processor E3-1230v5 (4C/8T, 3.40 GHz, 2,133 MHz)  |                               |                               |                               |                               |
|   | Intel® Xeon® processor E3-1225v5 (4C/4T, 3.30 GHz, 2,133 MHz)  |                               |                               |                               |                               |
|   | Intel® Xeon® processor E3-1220v5 (4C/4T, 3.00 GHz, 2,133 MHz)  |                               |                               |                               |                               |
|   | Intel® Pentium® processor G4400 (2C/2T, 3.30 GHz, 2,133 MHz)   |                               |                               |                               |                               |
|   | Intel® Core™ i3-6100 processor (2C/4T, 3.70 GHz, 2,133 MHz)  |                               |                               |                               |                               |
|   | Intel® Celeron® processor G3900 (2C/2T, 2.80 GHz, 2,133 MHz)   |                               |                               |                               |                               |
| <b>Memory slots</b>                     | 4 (2 banks with 2 DIMMs each)  |                               |                               |                               |                               |
| <b>Memory slot type</b>                 | DIMM (DDR4)  |                               |                               |                               |                               |
| <b>Memory capacity (min. - max.)</b>    | 4 GB - 64 GB   |                               |                               |                               |                               |
| <b>Memory protection</b>                | ECC  |                               |                               |                               |                               |
| <b>Memory notes</b>                     | Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same. |                               |                               |                               |                               |
| <b>Memory options</b>                   | 4 GB (1 module(s) 4 GB) DDR4, unbuffered, ECC, 2,133 MHz, PC4-2133, DIMM, 1Rx8   |                               |                               |                               |                               |
|   | 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,133 MHz, PC4-2133, DIMM, 2Rx8   |                               |                               |                               |                               |
|   | 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,133 MHz, PC4-2133, DIMM, 2Rx8   |                               |                               |                               |                               |
| <b>Interfaces</b>                       |  |                               |                               |                               |                               |
| <b>USB 3.0 ports</b>                    | 6 x (2x front, 4x rear) (10x 2.5" HDD base unit: 1x USB 2.0, 4x rear USB 3.0)  |                               |                               |                               |                               |
| <b>Graphics (15-pin)</b>                | 1 x VGA (15-pin) / optional 1 x front VGA (not for 10x 2.5" HDD base unit)   |                               |                               |                               |                               |
| <b>Serial connection</b>                | 1 x serial RS-232-C, usable for iRMC S4 or system or shared  |                               |                               |                               |                               |
| <b>LAN / Ethernet (RJ-45)</b>           | 2 x 1 Gbit/s Ethernet  |                               |                               |                               |                               |
| <b>Management LAN (RJ45)</b>            | 1 x dedicated management LAN port for iRMC S4 (10/100/1000 Mbit/s)<br>Management LAN traffic can be switched to shared onboard Gbit LAN port   |                               |                               |                               |                               |
| <b>Onboard or integrated Controller</b> |  |                               |                               |                               |                               |
| <b>RAID controller</b>                  | Integrated RAID 0/1 or RAID 5/6 controller (option)<br>All hardware storage controller options are described under Components                  |                               |                               |                               |                               |
| <b>SATA Controller</b>                  | Intel® C236, 1 port used for accessible drive or SATA DOM<br>4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux;           |                               |                               |                               |                               |

**Onboard or integrated Controller**

|                               |  |
|-------------------------------|--|
| LAN Controller                | Intel® i210 onboard<br>2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration)<br>iSCSI, PXE-Boot and WoL are supported      |
| Remote management controller  | Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller)<br>IPMI 2.0 compatible |
| Trusted Platform Module (TPM) | Infineon / TPM 1.2 or TPM 2.0 module; TCG compliant (option)   |

**Onboard or integrated Controller (Base unit specific)**

|                            |                                       |                                       |
|----------------------------|---------------------------------------|---------------------------------------|
| RAID controller            | 4 port SATA with RAID 0/1/10 for HDDs | 4 port SATA with RAID 0/1/10 for HDDs |
| SATA Controller            | 4-port SATA 6Gb with RAID 0, 1, 10    | 4-port SATA 3GB with RAID 0, 1, 10    |
| SATA controller type notes | for hot-plug SATA hard disks          | for hot-plug SATA hard disks          |

**Slots**

|                    |  |
|--------------------|--|
| PCI-Express 3.0 x4 | 1 x Low profile  |
| PCI-Express 3.0 x8 | 2 x Low profile Length 175mm; PCIe slot#1 = dedicated Modular RAID slot                              |
| Slot Notes         | Optional support of 1x full height PCIe Gen3 x8 card, instead of 1x PCIe Gen2 x4 and 1x PCIe Gen3 x8 |

**Drive bays**

|                         |  |
|-------------------------|--|
| Storage drive bays      | 4/8 x 2.5-inch hot-plug SAS/SATA or 4x 3.5-inch hot-plug SAS/SATA or 10 x 2.5-inch hot-plug SAS/SATA             |
| Accessible drive bays   | 1 x 5.25/0.4-inch for CD-RW/DVD  |
| Notes accessible drives | Following limitations applies to 10x 2.5-inch HDD base unit: No CD-RW/DVD, 1x USB 2.0 at the front, no front VGA |

**Drive bays (Base unit specific)**

|                    |                  |                  |                   |
|--------------------|------------------|------------------|-------------------|
| Storage drive bays | Max. 4x 3.5-inch | Max. 8x 2.5-inch | Max. 10x 2.5-inch |
|--------------------|------------------|------------------|-------------------|

**Fan Configuration**

|                   |   |                          |                              |                          |
|-------------------|---|--------------------------|------------------------------|--------------------------|
| Number of fans    | 4   |                          |                              |                          |
| Fan notes         | 4 fans in combination with standard power supply or 5 fans in combination with hot-plug PSU base unit for 1+4 redundancy. |                          |                              |                          |
| Number of fans    | 4   | 5                        | 4                            | 5                        |
| Fan configuration | 4 standard fan  | 5 redundant fan          | 4 standard fan               | 5 redundant fan          |
| Fan notes         | non redundant / non hot-plug  | redundant / non hot-plug | non redundant / non hot-plug | redundant / non hot-plug |

**Operating panel**

|                   |  |
|-------------------|--|
| Operating buttons | On/off switch<br>NMI button<br>Reset button  |
| Status LEDs       | System status (orange)<br>Identification (blue)<br>Hard disks access (green)<br>Power (green)<br>At system rear side:<br>System status (orange)<br>Identification (blue)<br>LAN connection (green)<br>LAN speed (green / yellow) |

**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 Linux versions<br>Local and remote update via ServerView Update Manager<br>Remote PXE boot support<br>Remote iSCSI boot support |
|---------------|---|

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**Operating Systems and Virtualization Software**

|   |  |
|---|--|
| <b>Certified or supported operating systems and virtualization software</b> | Hyper-V Server 2016  |
|   | Windows Server 2016 Datacenter   |
|   | Windows Server 2016 Standard   |
|   | Windows Server 2016 Essentials   |
|   | Windows Storage Server 2016 Standard   |
|   | Hyper-V Server 2012 R2   |
|   | Windows Server 2012 R2 Datacenter  |
|   | Windows Server 2012 R2 Standard  |
|   | Windows Server 2012 R2 Essentials  |
|   | Windows Server 2012 R2 Foundation  |
|   | Windows Storage Server 2012 R2 Standard  |
|   | Hyper-V Server 2012  |
|   | Windows Server 2012 Datacenter   |
|   | Windows Server 2012 Standard   |
|   | Windows Server 2012 Essentials   |
|   | Windows Server 2012 Foundation   |
|   | Windows Storage Server 2012 Standard   |
|   | Hyper-V™ Server 2008 R2  |
|   | Windows Server 2008 R2 Datacenter  |
|   | Windows Server 2008 R2 Enterprise  |
|   | Windows Server 2008 R2 Standard  |
|   | Windows Server 2008 R2 Foundation  |
|   | VMware vSphere™ 6.5  |
|   | VMware vSphere™ 6.0  |
|   | VMware vSphere™ 5.5  |
|   | SUSE® Linux Enterprise Server 12   |
|   | SUSE® Linux Enterprise Server 11   |
| Red Hat® Enterprise Linux 7   |  |
| Red Hat® Enterprise Linux 6   |  |
| Oracle® Linux 6   |  |
| <b>Operating system release link</b>  | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473</a>  |
| <b>Operating system notes</b>   | <p>VMware ESX hints:</p> <ul style="list-style-type: none"> <li>- SATA RAID is not supported</li> <li>- Storing virtual machines locally requires a SAS RAID Controller</li> </ul> <p>Support of other Linux derivatives on demand</p> <p>Red Hat® certification starting with version 5.8 / 6.4.</p> <p>Hardware requirements of Software Defined Storage supported by i.e. Microsoft Storage Spaces or VMWare vSAN please see Systemarchitect or paper configurator or datasheet of PSAS CP400i.</p> |

**Server Management**

|                                |   |
|--------------------------------|---|
| <b>Standard</b>                | <ul style="list-style-type: none"> <li>ServerView Suite - Deploy               <ul style="list-style-type: none"> <li>Installation Manager</li> <li>Scripting Toolkit</li> </ul> </li> <li>ServerView Suite - Control               <ul style="list-style-type: none"> <li>Operations Manager incl. PDA and ASR &amp; R</li> <li>Agents and CIM Providers / Agentless Service</li> <li>System Monitor</li> <li>RAID Manager</li> <li>Capacity Management</li> <li>Power Management</li> <li>Storage Support</li> </ul> </li> <li>ServerView Suite - Maintain               <ul style="list-style-type: none"> <li>Remote Management (iRMC)</li> <li>Update Management (BIOS, Firmware, Windows Drives and SV Agents)</li> <li>Performance Measurement</li> <li>Asset Management</li> <li>Online Diagnostics</li> </ul> </li> <li>ServerView Suite - Integrate               <ul style="list-style-type: none"> <li>Integration packs for Microsoft System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM</li> </ul> </li> <li>Deployment tools and others</li> </ul> |
| <b>Option</b>                  | <ul style="list-style-type: none"> <li>ServerView embedded Lifecycle Management (eLCM)               <ul style="list-style-type: none"> <li>Lifecycle management</li> </ul> </li> <li>ServerView Suite - Maintain               <ul style="list-style-type: none"> <li>iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media</li> </ul> </li> <li>ServerView Suite - Dynamize               <ul style="list-style-type: none"> <li>Virtual-IO Manager (VIOM)</li> </ul> </li> </ul>  |
| <b>Server Management notes</b> | Regarding 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) / 435.4 mm (Body) x 572 x 42.8 mm |
| <b>Height Unit Rack</b>          | 1 U  |
| <b>Mounting Cable depth rack</b> | 200 mm cable depth                                 |
| <b>Weight</b>                    | up to 13 kg  |
| <b>Weight notes</b>              | Actual weight may vary depending on configuration  |
| <b>Rack integration kit</b>      | Rack integration kit as option                     |

**Environment**

|                                      |   |
|--------------------------------------|---|
| <b>Operating ambient temperature</b> | 5 - 40 °C (41 - 104 °F)   |
| <b>Operating temperature note</b>    | Cool-safe® Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. 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=589915e9-1bf8-40f7-8ba4-7cac9371f2f0">http://docs.ts.fujitsu.com/dl.aspx?id=589915e9-1bf8-40f7-8ba4-7cac9371f2f0</a> |
| <b>Sound pressure (LpAm)</b>         | 25 / 35 dB(A) (min / max idle), 25 / 35 dB(A) (min / max operating)   |
| <b>Sound power (LWAd; 1B = 10dB)</b> | 4.1 / 5.1 B (min / max idle), 4.1 / 5.1 B (min / max operating)   |
| <b>Noise notes</b>                   | Noise emissions and operation modes depend on system configuration.   |

**Electrical values**

|  |   |
|--|---|
| <b>Power supply configuration</b>          | 1x standard power supply or 1x hot-plug power supply or 2x hot plug power supplies for redundancy depending on model  |
| <b>Hot-plug power supply redundancy</b>    | Optional  |
| <b>Active power (max. configuration)</b>   | 152 W   |
| <b>Apparent power (max. configuration)</b> | 155 VA  |
| <b>Heat emission (max. configuration)</b>  | 547.2 kJ/h (518.6 BTU/h)  |
| <b>Rated current max.</b>                  | 4.0 A (100 V) / 2.0 A (240 V)   |
| <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>Electrical values</b>     |   |
|------------------------------|---|
| <b>Power supply</b>          | 300W standard, 92% (Gold efficiency), 100-240V, 50 / 60Hz<br>450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz  |
| <b>Power supply notes</b>    | Power Safeguard adapts system performance in case the power requirements exceeds supply limits.   |
| <b>Battery backup</b>        | Fujitsu Battery Unit 380W, 12V (as option)  |
| <b>Compliance</b>            |   |
| <b>Global</b>                | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronical equipment)   |
| <b>Germany</b>               | GS  |
| <b>Europe</b>                | CE  |
| <b>USA/Canada</b>            | CSAc/us<br>ULc/us<br>FCC Class A  |
| <b>Japan</b>                 | VCCI:V3 Class A + JIS 61000-3-2   |
| <b>Russia</b>                | GOST  |
| <b>South Korea</b>           | KC  |
| <b>China</b>                 | CCC   |
| <b>Australia/New Zealand</b> | C-Tick  |
| <b>Taiwan</b>                | BSMI  |
| <b>Compliance link</b>       | <a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>   |
| <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.<br>* Warning:<br>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

|                         |   |
|-------------------------|---|
| <b>Optical drives</b>   | Blu-ray Disc™ Triple Writer, (6x BD-RW, 8x DVD, 24x CD), ultraslim, SATA I<br>DVD Super Multi ultra slim , (8x DVD; 24x CD), ultraslim, SATA I  |
| <b>Hard disk drives</b> | HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical<br>HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical<br>HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical<br>HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical  |
| <b>Hard disk drives</b> | HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 900 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 600 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 600 GB , 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED<br>HDD SAS, 12 Gb/s, 450 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise<br>HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED |

|  |   |
|--|---|
| <b>Hard disk drives</b>  | HDD SAS, 12 Gb/s, 300 GB, 15,000 rpm, 512n, hot-plug, 2.5-inch, enterprise  |
|  | HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED   |
|  | HDD SAS, 12 Gb/s, 300 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise  |
|  | HDD SAS, 12 Gb/s, 2 TB , 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical   |
|  | HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise, SED   |
|  | HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise  |
|  | HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise  |
|  | HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise  |
|  | HDD SAS, 12 Gb/s, 1.2 TB , 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise, SED  |
| HDD SAS, 12 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical |   |
| <b>Solid-State-Drive</b>   | SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years)   |
|  | SSD SATA, 6 Gb/s, 960 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)  |
|  | SSD SATA, 6 Gb/s, 800 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years)   |
|  | SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years)   |
|  | SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years)   |
|  | SSD SATA, 6 Gb/s, 120 GB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)  |
|  | SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, hot-plug, 2.5-inch, enterprise, 3 DWPD (drive writes per day for 5 years)   |
|  | SSD SATA, 6 Gb/s, 1.6 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years)   |
|  | SSD SATA, 6 Gb/s, 1.2 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD (Drive Writes Per Day for 5 years)   |
| <b>PCIe SSD &amp; SATA DOM SSD</b>   | DOM SATA, 6 Gb/s, 128 GB, non hot plug, enterprise, 0.13 DWPD (Drive Writes Per Day for 5 years)  |
|  | DOM SATA, 6 Gb/s, 64 GB, non hot plug, enterprise, 0.14 DWPD (Drive Writes Per Day for 5 years)   |
| <b>SCSI / SAS Controller</b>   | LSI PSAS CP400e LP SAS Ctrl. 12 Gbit/s 8 ports ext. PCIe 3.0 x8   |
|  | Fujitsu PSAS CP400i SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8  |
| <b>RAID Controller</b>   | Fujitsu PRAID EP420i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108               |
|  | Fujitsu PRAID EP420i for SafeStore, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 2 GB, Optional FBU based on LSI SAS3108 |
|  | Fujitsu PRAID EP400i, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 16 ports int.<br>RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU based on LSI SAS3108              |
|  | Fujitsu PRAID CP400i, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int.<br>RAID level: 0, 1, 1E, 10, 5, 50, No FBU 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  |
| <b>Communication, Network</b>  | Ethernet Ctrl. 1 x 1 Gbit/s PCIe 2.1 x1 RJ45 ( Intel® )   |
|  | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.0 x8 SFP+ ( Fujitsu )   |
|  | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 2.1 x8 RJ45 ( Intel® )  |
|  | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Emulex )  |
|  | Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ ( Intel® )  |
|  | Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® )   |
|  | Ethernet Ctrl. 4 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® )   |
| <b>Graphics add on cards</b>   | NVIDIA® NVS™315 LP, PCIe x16, 2x DVI/VGA  |
| <b>Rack infrastructure</b>   | Rackmount kit full extraction (665mm), tool less mounting, length variable 559-914mm  |
|  | Rackmount kit full extraction (815mm), tool less mounting, length variable 559-914mm  |
|  | Rackmount kit full extraction (815mm), tool less mounting, length variable 559-914mm  |
|  | Rackmount kit tool less mounting  |
|  | Cable Management 1U for PRIMECENTER- and 3rd-party racks  |



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**Warranty**

**Warranty period** 1 year

**Warranty type** Onsite warranty

**Product Related Services - the perfect extension**

**Support Pack Options** Globally available in major business areas:  
9x5, Next Business Day Onsite Response Time  
9x5, 4h Onsite Response Time (depending on country)  
24x7, 4h Onsite Response Time (depending on country)

**Recommended Service** 24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.

**Service Lifecycle** 5 years

**Spare Parts availability**

**Service Weblink** <http://ts.fujitsu.com/Supportservice>

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY RX1330 M2, 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

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### Software

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

## More information

Learn more about Fujitsu PRIMERGY RX1330 M2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/global/products/computing/servers/primergy/rack/rx1330m2/](http://www.fujitsu.com/global/products/computing/servers/primergy/rack/rx1330m2/)

## Fujitsu green policy innovation

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