Fujitsu offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. Fujitsu PRIMERGY servers deliver workload-optimized x86 industry standard systems for any workload and business demand. Since there is no single server solution to meet all these needs, Fujitsu offers a broad server portfolio consisting of expandable tower servers, versatile rack-mount servers, density-optimized multi-node servers as well as GPU servers purpose-built for the demands of AI and VDI. While all these systems are designed to handle multiple workloads, each server is optimized for specific use cases. Whatever the size of your business – large enterprise with multiple sites, or a small or medium-sized company with limited space and budget – with the right choice of server, your IT can become the business enabler you have always wanted it to be.

PRIMERGY RX1330 M4
The FUJITSU Server PRIMERGY RX1330 M4 is a highly reliable and energy-efficient single-socket rack server designed to deliver optimal performance and value in a compact 1U. Equipped with the right compute and memory for efficient utilization of resources, it is best suited for small and medium businesses providing a cost-efficient foundation for wide range of workloads like file, web hosting, infrastructure, communication, collaboration, and virtualization. The PRIMERGY RX1330 M4 refresh gets a performance boost with latest Intel® Xeon® E-2200 processors supporting up to 8 cores and higher memory capacity of 128GB DDR4 memory at speed up to 2,666 MT/s. It also provides versatile storage options with the advantage of high-speed, low latency 4x2.5-inch NVMe PCIe SSDs. 2x M.2 devices and Dual microSD are provided for efficient boot requirements. The FUJITSU Server PRIMERGY RX1330 M4 provides many features to guarantee high reliability and availability, such as the optional Fujitsu Battery Backup Unit, hot-plug redundant fans, hot-plug redundant power supplies, and modular RAID controllers. By delivering high energy efficient PSUs and operation in higher ambient temperature driven by optional Cool-safe® Advanced Thermal Design, the PRIMERGY RX1330 M4 contributes to very low operational costs. It provides a simple design for easy serviceability and comes along with the latest integrated Remote Management Controller (iRMC S5) to simplify server management. ISM Essential which is available free of charge provides essential server management functions. Whether it is used for a start-up or expanding business, the PRIMERGY RX1330 M4 is an ideal choice of entry server for many SMBs across all industries.
Features & Benefits

<table>
<thead>
<tr>
<th>Main Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced features for enhanced performance</td>
<td>Significant performance gains with latest generation processors, a higher number of cores and larger memory. Accelerated performance for virtualization workloads and wide range of SMB workloads including media streaming, caching and web hosting.</td>
</tr>
<tr>
<td>Wide choice of latest Intel® Xeon® E-2200/E-2100 processor family for servers with up to 8 cores, as well as affordable Intel® Core i3 or Pentium or Intel® Celeron® processors. Supports higher memory capacity of up to 128 GB with up to four 32 GB DDR4 @ 2,666 MT/s, high-speed storage and a wide range of networking technologies.</td>
<td>Scalable storage, plus a broad range of networking choices and PCIe slots provide flexible expansion options for future scalability.</td>
</tr>
<tr>
<td>Improved Scalability for future growth</td>
<td>Maximize uptime and savings in energy and cooling costs with highly energy-efficient, redundant components. Battery backup keeps the server running during short blackouts or voltage fluctuations and enables a graceful shutdown.</td>
</tr>
<tr>
<td>Great storage options expandable up to 10x2.5-inch or 4x3.5-inch disk drives, with an advantage of 4x2.5-inch NVMe PCIe SSDs, 2x M.2 modules (1x SATA; 1x NVMe/SATA) with Dual microSD and USB Gen 3.1 Gen 2 for external connectivity. Also includes 3x PCIe Gen 3 slots, 2x1 Gbit Onboard LAN with advanced 10GbE/25GbE high-speed networking options.</td>
<td>Fujitsu iRMC S5 enhances server administrator productivity with a variety of user-friendly features for remote management. Fujitsu ISM improves data center efficiency and overall IT productivity, paving the path for a software-defined data center.</td>
</tr>
<tr>
<td>Rock-solid reliability with optional Fujitsu Battery Backup Unit, hot plug redundant fans and modular RAID controllers with up to 8GB cache. Highly efficient 450W (94% efficiency) hot plug power supplies and Fujitsu's Cool-safe® Advanced Thermal Design supports higher ambient temperatures up to 45 degrees in the data center.</td>
<td>Enterprise-class reliability and operational efficiency</td>
</tr>
<tr>
<td>Improved Scalability for future growth</td>
<td>Maximize uptime and savings in energy and cooling costs with highly energy-efficient, redundant components. Battery backup keeps the server running during short blackouts or voltage fluctuations and enables a graceful shutdown.</td>
</tr>
<tr>
<td>Embedded with iRMC S5 for wide remote management functions.</td>
<td>Simplified Infrastructure and Server Management</td>
</tr>
<tr>
<td>In addition FUJITSU Software Infrastructure Manager (ISM) provides converged management across multiple data centers. The new ISM Essential license, available free-of-charge provides essential server management and converged monitoring functions.</td>
<td>Enhanced server administrator productivity with a variety of user-friendly features for remote management. Fujitsu ISM improves data center efficiency and overall IT productivity, paving the path for a software-defined data center.</td>
</tr>
</tbody>
</table>
Technical details

**PRIMERGY RX1330 M4**

<table>
<thead>
<tr>
<th>Base unit</th>
<th>RX1330 M4 LFF</th>
<th>RX1330 M4 LFF</th>
<th>RX1330 M4 SFF</th>
<th>RX1330 M4 SFF</th>
<th>RX1330 M4 SFF 10xSFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing types</td>
<td>Rack</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage drive architecture</td>
<td>3.5-inch SAS/SATA</td>
<td>3.5-inch SAS/SATA</td>
<td>2.5-inch SAS/SATA</td>
<td>2.5-inch SAS/SATA</td>
<td>2.5-inch SAS/SATA</td>
</tr>
<tr>
<td>Power supply</td>
<td>Standard</td>
<td>Hot-plug</td>
<td>Standard</td>
<td>Hot-plug</td>
<td>Hot-plug</td>
</tr>
<tr>
<td>Product Type</td>
<td>Mono Socket</td>
<td>Rack Server</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mainboard**

<table>
<thead>
<tr>
<th>Mainboard type</th>
<th>D3675</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chipset</td>
<td>Intel® C246</td>
</tr>
<tr>
<td>Processor quantity and type</td>
<td>1 x Intel® Xeon® E-2200 processor family / Intel® Xeon® E-2100 processor family / Intel® Celeron® processor / Intel® Core™ i3 processor / Intel® Pentium® processor</td>
</tr>
<tr>
<td>Memory slots</td>
<td>4 (2 banks with 2 DIMMs each)</td>
</tr>
<tr>
<td>Memory type</td>
<td>DIMM (DDR4)</td>
</tr>
<tr>
<td>Memory capacity (min. - max.)</td>
<td>4 GB - 128 GB</td>
</tr>
<tr>
<td>Memory protection</td>
<td>ECC</td>
</tr>
<tr>
<td>Memory notes</td>
<td>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.</td>
</tr>
</tbody>
</table>

**Interfaces**

| USB 2.0 ports   | 2 Rear: 2x USB 2.0 for all base units. Front (only 10x 2.5" HDD): 1x USB 2.0 |
| USB 3.0 ports   | 4 Rear: 2x 3.1 Gen2 for all base units, Front (except 10x 2.5" HDD): 2x USB 3.1 Gen1 |
| Graphics (15-pin) | 1 x VGA (15-pin) / optional 1 x front VGA (not for 10x 2.5" HDD base unit) |
| Serial connection | 1 x serial RS-232-C Optional |
| LAN / Ethernet (RI-45) | 2 x 1 Gbit/s Ethernet |
| Management LAN (RI45) | Management LAN traffic can be switched to shared onboard Gbit LAN port 1 x dedicated management LAN port for iRMC S5 (10/100/1000 Mbit/s) |

**Onboard or integrated Controller**

| RAID controller | Integrated RAID 0/1 or RAID 5/6 controller (option) |
| SATA Controller | Intel® C246, 1 port used for accessible drive or SATA DOM |
| LAN Controller  | Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet (TCP/IP acceleration) |
| Remote management controller | Integrated Remote Management Controller (iRMC S5, 512 MB attached memory incl. graphics controller) |
| 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 |
| SATA Controller | 4 port SATA 6Gb with RAID 0, 1, 10 |
| SATA controller type notes | 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 supports Modular RAID functions |
| Slot Notes | Optional support of 1x full height PCIe Gen3 x8 card, instead of 1x PCIe Gen2 x4 and 1x PCIe Gen3 x8 |

| PCI-Express 3.0 x4 (mech. x8) | 1 x 1 x 1 x 1 x 1 x 1 x |
| PCI-Express 3.0 x8 | 2 x 2 x 2 x 2 x 2 x 2 x |
Drive bays

Storage drive bays
4/8 x 2.5-inch hot-plug SATA/SAS (Up to 4x NVMe PCIe SSD supported) or 4x 3.5-inch hot-plug SATA/SAS

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)

<table>
<thead>
<tr>
<th>Storage drive bays</th>
<th>Max. 4x 3.5-inch</th>
<th>Max. 8x 2.5-inch</th>
<th>Max. 10x 2.5-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible drive bays</td>
<td>1 x 5.25/0.4-inch for CD-RW/DVD</td>
<td>1 x 5.25/0.4-inch for CD-RW/DVD</td>
<td>Accessible drive bays are not available in case of max. storage drive configuration</td>
</tr>
</tbody>
</table>

Fan Configuration

Number of fans
5

Fan notes
Hot Plug Fans - 4 fans in combination with standard power supply or 5 fans in combination with hot-plug PSU base unit for 4+1 redundancy.

Operating panel

Operating buttons
On/off switch
NMI button
Reset button

Status LEDs
System status (orange)
Identification (blue)
Hard disks access (green)
Power (green)
At system rear side:
System status (orange)
Identification (blue)
LAN connection (green)
LAN speed (green / yellow)

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 Linux versions
Local and remote update via ServerView Update Manager
Remote PXE boot support
Remote iSCSI boot support

Operating Systems and Virtualization Software

Certified or supported operating systems and virtualization software
Windows Server 2019 Datacenter
Windows Server 2019 Standard
Windows Server 2019 Essentials
Windows Server Datacenter, version 1809
Windows Server Standard, version 1809
VMware vSphere™ 6.7

Certified or supported operating systems and virtualization software link

Operating system release link

Operating system notes
RHEL 7.5 and SLES 15 GA are not supported for the new CPUs including the Intel® Xeon® E-2200 product family.

VMware ESX hints:
- SATA RAID is not supported
- Storing virtual machines locally requires a SAS RAID Controller
- Support of other Linux derivatives on demand
- Red Hat® certification starting with version 5.8 / 6.4.
- 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.

Use of certified or supported operating systems and virtualization software is subject to proactive acceptance of the respective License Agreements/ EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.
## Infrastructure and Server Management

<table>
<thead>
<tr>
<th>DC Infrastructure Management</th>
<th>Infrastructure Manager (ISM)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Essential Edition</td>
</tr>
<tr>
<td></td>
<td>Advanced Edition</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Server Management</th>
<th>Infrastructure Manager (ISM)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Essential Edition</td>
</tr>
<tr>
<td></td>
<td>Advanced Edition</td>
</tr>
<tr>
<td></td>
<td>ServerView Suite</td>
</tr>
</tbody>
</table>

### Management notes
For further information regarding ISM and ServerView Suite see dedicated data sheets.

### Manageability link
http://docs.ts.fujitsu.com/dl.aspx?id=9e92297a-16fb-4c69-8559-e38e7b42fee6

## Dimensions / Weight

<table>
<thead>
<tr>
<th>Rack (W x D x H)</th>
<th>482.6 mm (Bezel) / 435.4 mm (Body) x 572 x 42.8 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height Unit Rack</td>
<td>1 U</td>
</tr>
<tr>
<td>Mounting Cable depth rack</td>
<td>200 mm cable depth</td>
</tr>
<tr>
<td>Weight</td>
<td>up to 13 kg</td>
</tr>
<tr>
<td>Weight notes</td>
<td>Actual weight may vary depending on configuration</td>
</tr>
<tr>
<td>Rack integration kit</td>
<td>Rack integration kit as option</td>
</tr>
</tbody>
</table>

## Environment

### Operating ambient temperature
5 - 45 °C (41 - 113 °F)

### Operating temperature note
Cool-safe™ Advanced Thermal Design (above 35 °C or below 10 °C) depending on configuration. Please use the Fujitsu WebArchitect (www.fujitsu.com/configurator/public) to get detailed information on the corresponding configurations.

### Operating relative humidity
10 - 85 % (non condensing)

### Operating environment
FTS 04230 – Guideline for Data Center (installation specification)

### Operating environment link

### Sound pressure (LpAm)
24 / 52 dB(A) (min / max idle), 26 / 40 dB(A) (min / max operating)

### Sound power (LWAd; 1B = 10dB)
4.2 / 7 B (min / max idle), 4.2 / 5.8 B (min / max operating)

### Noise notes
Noise emissions and operation modes depend on system configuration.

## Electrical values

### Power supply configuration
1x standard power supply or 1x hot-plug power supply or 2x hot plug power supplies for redundancy depending on model

### Hot-plug power supply redundancy
Optional

### Active power (max. configuration)
264 W

### Apparent power (max. configuration)
267 VA

### Heat emission (max. configuration)
950.4 kJ/h (900.8 BTU/h)

### Rated current max.
4.5 A (100 V) / 2.0 A (240 V)

### Power supply
300W standard, 92% (Gold efficiency), 100-240V, 50 / 60Hz
450W hot-plug, 94% (Platinum efficiency), 100-240V, 50 / 60Hz

### Power supply notes
Power Safeguard adapts system performance in case the power requirements exceeds supply limits.

### Battery backup
Fujitsu Battery Unit 380W, 12V (as option)

## Compliance

### Product
PRIMERGY RX1330 M4

### Model
PR1330

### Global
- CB
- RoHS (Substance limitations in accordance with global RoHS regulations)
- WEEE (Waste electrical and electronic equipment)

### Germany
- GS

### Europe
- CE

### USA/Canada
- CSA/c/us
- UL/c/us
- FCC Class A

### Japan
- VCCI Class A + JIS 61000-3-2

### Russia
- GOST

### South Korea
- KC
Compliance

<table>
<thead>
<tr>
<th>Country</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>CCC</td>
</tr>
<tr>
<td>Australia/New Zealand</td>
<td>C-Tick</td>
</tr>
<tr>
<td>Taiwan</td>
<td>BSMI</td>
</tr>
</tbody>
</table>

Compliance link: https://sp.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

RAID Controller: Fujitsu PRAID EP580i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 8 Gbit/s, 8 Gbit/s 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, Optional FBU based on LSI SAS3516

Graphics add on cards: NVIDIA® Quadro® P400, 2 GB, N/A, PCIe x16, 3 x miniDP

Warranty

Warranty period: 1 year

Warranty type: Onsite warranty

Warranty Terms & Conditions: www.fujitsu.com/support

Product Support - the perfect extension

Support Pack Options: Globally available in major metropolitan 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 Service with 4h Onsite Response Time

Service Lifecycle: at least 5 years after shipment, for details see https://support.ts.fujitsu.com/

More information

Fujitsu products, solutions & services
In addition to Fujitsu PRIMERGY RX1330 M4, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/products/computing/

Software
www.fujitsu.com/software/

More information
Learn more about Fujitsu PRIMERGY RX1330 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.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 contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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