# FUJITSU

# Data Sheet
## FUJITSU Server PRIMERGY TX1330 M1 Tower Server

Expandable all-round server for SMEs

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**PRIMERGY TX1330 M1**

The PRIMERGY TX1330 M1 is the ideal robust and cost-efficient server for small and medium-sized businesses (SMB) or branch offices. It offers best Intel® Xeon® E3 family performance and solid expandability thanks to hot-plug storage drives. The optionally redundant power supply and a choice of different RAID controllers ensure high availability and peace of mind. Thanks to its compact housing and extremely low operating noise the server is ideally suited for showrooms or offices, for example under the desk. The support of legacy PCI adapter cards makes the PRIMERGY TX1330 M1 optimally suited for special solutions, such as telephone or security systems. Furthermore, the comprehensive Fujitsu ServerView® Suite provides support for administrators during server installation, deployment and administration. The PRIMERGY TX1330 M1: an excellent long-term investment.

# Features & Benefits

| Main Features | Benefits |
|---|---|
| **Cost-effective performance and availability** | |
| ■ Latest Intel® Xeon® processor E3 v3 family technology | ■ Optimized for classic server tasks like business applications, file, print or databases |
| ■ Optional redundant power supply units | ■ Redundant power supply units for peace of mind |
| **Optimized for SMEs** | |
| ■ Low noise emissions through optimized air flow and Fujitsu's Cool-safe® technology | ■ Silent operation for use in offices or showrooms |
| ■ Compact 4 U chassis | ■ So small and silent that it might even be placed under desks |
| ■ Fujitsu ServerView Suite including tools for installation and deployment, permanent status monitoring and control | ■ The comprehensive tools of the Fujitsu ServerView Suite eases the administrator's life |
| **Lifecycle investment protection** | |
| ■ Solid scalability of up to 4 DIMMs with 32 GB memory, up to 8 storage drives and 4 PCI slots | ■ Meet today's demand and be prepared for future requirements |
| ■ Support for legacy PCI cards | ■ Support for special solutions like telephone or security systems |
| ■ Tower to rack conversion kit and extensive connectivity options | ■ The TX1330 M1 grows as your company grows, making it an excellent long-term investment |
| **Integrated UPS - Easy & reliable** | |
| ■ The Fujitsu FJBU internal battery backup is an alternative for classical UPS devices | ■ Keeps the server running during short blackouts or voltage fluctuations and enables a graceful shutdown |
| ■ Compact battery unit that fits into modular PSU slot | ■ Same life time as the server – no maintenance necessary |
| ■ Ni-MH battery allows for a very long life time (5 years) | ■ Easy and clean setup: no cabling, no separate device |
| ■ Full integration into server management environment | |

# Technical details

**PRIMERGY TX1330 M1**

| | |
|---|---|
| **Mainboard** | |
| Mainboard type | D3239 |
| Chipset | Intel® C224 |
| Processor quantity and type | 1 x Intel® Pentium® processor / Intel® Core™ i3 processor / Intel® Xeon® processor E3-1200 v3 product family |
| Memory slots | 4 |
| Memory slot type | DIMM (DDR3) UDIMM |
| Memory capacity (min. - max.) | 4 GB - 32 GB |
| Memory protection | ECC |
| Memory notes | Mix and match possible; with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible. |
| Memory modules notes | 1333MHz or 1600 MHz memory modules |
| **Interfaces** | |
| USB 2.0 ports | 6 (4x external  rear, 1x external front, 1x internal for UFM, no USB wakeup supported) |
| USB 3.0 ports | 4 (2x external  rear, 1x external front, 1x internal) |
| Graphics (15-pin) | 1 analog graphics interface derived from iRMC (up to 1600x1200 or 1920x1080 at 16bpp) |
| Serial connection | 1 x serial RS-232-C,  usable for iRMC or system or shared |
| LAN / Ethernet | 2 x1 Gb/s Ethernet; RJ45 |
| Management LAN (RJ45) | 1 x dedicated management LAN port for iRMC S4  (10/100/1000 Mbit/s) Management LAN traffic can be switched to shared onboard Gbit LAN port |
| **Onboard or integrated Controller** | |
| RAID controller | Optionally integrated RAID 0/1 or RAID 5/6 controller for SAS base units (occupies one PCIe slot). All hardware storage controller options are described under Components |
| SATA Controller | Intel® C224, 2 ports used for accessible drives 4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux; |
| LAN Controller | Intel® i217 + Intel® i210 onboard 2 x 10/100/1000 Mbit/s Ethernet Intel® i217LM: 2xTX/2xRX, iSCSI remote boot support, APM wake up. Intel® i210, 4xTX/4xRX, iSCSI and PXE 2.0-remote Boot via LAN, WoL. Service LAN: Realtek RTL8211E |
| Remote management controller | Integrated Remote Management Controller (iRMC S4, 256 MB attached memory incl. graphics controller) IPMI 2.0 compatible |
| Trusted Platform Module (TPM) | Infineon / TPM 1.2 module; TCG compliant (option) |
| **Slots** | |
| PCI-Express 3.0 x8 | 2 x (up to 240 mm length) |
| PCI-Express 2.0 x1 (mech. x4) | 1 x (up to 167 mm lenght) |
| PCI-Express 2.0 x4 (mech. x8) | 1 x (up to 167 mm length) |
| Slot Notes | Optional PCIe to legacy PCI adapter available. In SAS configuration 1x PCI-Express occupied by modular RAID controller. **In configurations with Intel® Core™ i3 or Intel® Pentium® processors slots are operated with PCI-Express 2.0.** |
| **Drive bays** | |
| Storage drive bays | 3.5-inch or 2.5-inch hot-plug SAS/SATA |
| Accessible drive bays | 3 x 5.25/1.6-inch |
| Notes accessible drives | all possible options described in relevant system configurator |
| **Fan Configuration** | |

## Operating panel

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

## BIOS

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|---|---|
| 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 |

## Operating Systems and Virtualization Software

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|---|---|
| Operating system release link | http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473 |
| Operating system notes | Support of other Linux derivatives on demand |

## Server Management

## Dimensions / Weight

| | |
|---|---|
| Floor-stand (W x D x H) | 177 x 560 x 455 mm |
| Rack (W x D x H) | 483 x 495 x 175 mm |
| Dimension notes | **Floorstand Width 306 mm with tilt protection; depth measured excludes handles on redundant PSU. Rack depth excludes handles of redundant PSU and rack front.** |
| Mounting Depth Rack | 543 mm |
| Height Unit Rack | 4 U |
| Weight | Rack: 12.5kg - 20kg; Tower: 15kg - 23 kg |
| Weight notes | Actual weight may vary depending on configuration |
| Rack integration kit | Rack integration kit can be ordered as option |

## Environment

## Electrical values

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|---|---|
| Power supply configuration | 1 x standard power supply or 1 x hot-plug power supply or 2x hot-plug power supply for redundancy depending on model |
| Hot-plug power supply redundancy | Optional |
| Active power (max. configuration) | 203 W |
| Apparent power (max. configuration) | 247 VA |
| Heat emission (max. configuration) | 730.8 kJ/h (692.7 BTU/h) |
| Rated current max. | 6 A (100 V) / 3 A (240 V) |
| Active power note | To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/ |
| Power supply | 300W standard, 90% (Gold efficiency), 100-240V, 50 / 60Hz<br>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

| | |
|---|---|
| Global | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronical equipment) |
| Germany | GS |
| Europe | CE |
| USA/Canada | CSA us<br>ULc/us<br>FCC Class A |
| Japan | VCCI:V3 Class A + JIS 61000-3-2 |
| Russia | GOST-R |
| South Korea | KC |
| China | CCC |
| Australia/New Zealand | C-Tick |
| Taiwan | BSMI |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |
| Compliance notes | * 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

## Warranty

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| Warranty period | 1 year |
| Warranty type | Onsite warranty |

**Product Support Services - the perfect extension**

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|---|---|
| Support Pack Options | Globally available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time (depending on country)<br>24x7, 4h Onsite Response Time (depending on country) |
| Recommended Service | 24x7, Onsite Response Time: 4h - For locations outside of EMEIA please contact your local Fujitsu partner. |
| Service Lifecycle | 5 years after end of product life |
| Service Weblink | http://www.fujitsu.com/fts/services |

# More information

## Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX1330 M1, 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/products/computing/

### Software

www.fujitsu.com/software/

## More information

Learn more about Fujitsu PRIMERGY TX1330 M1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://www.fujitsu.com/fts/products/computing/servers/primergy/tower/tx1330m1/

## Fujitsu green policy innovation

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