

# 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
<p><b>Cost-effective performance and availability</b></p> <ul style="list-style-type: none"> <li>■ Latest Intel® Xeon® processor E3 v3 family technology</li> <li>■ Optional redundant power supply units</li> </ul> <p><b>Optimized for SMEs</b></p> <ul style="list-style-type: none"> <li>■ Low noise emissions through optimized air flow and Fujitsu's Cool-safe® technology</li> <li>■ Compact 4 U chassis</li> <li>■ Fujitsu ServerView Suite including tools for installation and deployment, permanent status monitoring and control</li> </ul> <p><b>Lifecycle investment protection</b></p> <ul style="list-style-type: none"> <li>■ Solid scalability of up to 4 DIMMs with 32 GB memory, up to 8 storage drives and 4 PCI slots</li> <li>■ Support for legacy PCI cards</li> <li>■ Tower to rack conversion kit and extensive connectivity options</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>■ Optimized for classic server tasks like business applications, file, print or databases</li> <li>■ Redundant power supply units for peace of mind</li> <li>■ Silent operation for use in offices or showrooms</li> <li>■ So small and silent that it might even be placed under desks</li> <li>■ The comprehensive tools of the Fujitsu ServerView Suite eases the administrator's life</li> <li>■ Meet today's demand and be prepared for future requirements</li> <li>■ Support for special solutions like telephone or security systems</li> <li>■ The TX1330 M1 grows as your company grows, making it an excellent long-term investment</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

## PRIMERGY TX1330 M1

Base unit	PRIMERGY TX1330 M1 LFF	PRIMERGY TX1330 M1 SFF	PRIMERGY TX1330 M1 LFF	PRIMERGY TX1330 M1 SFF
Housing types	Tower	Tower	Tower	Tower
Storage drive architecture	3.5-inch	2.5-inch	3.5-inch	2.5-inch
Power supply	Standard	Standard	Hot-plug	Hot-plug

## 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 length)
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. <b>In configurations with Intel® Core™ i3 or Intel® Pentium® processors slots are operated with PCI-Express 2.0.</b>

## 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

## Drive bays (Base unit specific)

Storage drive bays	Max. 4x 3.5-inch	Max. 8x 2.5-inch
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<b>Drive bays (Base unit specific)</b>		
Accessible drive bays	3 x 5.25/1.6-inch for 1 x backup drive + 1 x ODD	3 x 5.25/1.6-inch for 1 x backup drive + 1 x ODD
<b>Fan Configuration</b>		
<b>General system information</b>		
Number of fans	1	
Fan configuration	1 standard fan	
Fan notes	non redundant / non hot-plug	
<b>Operating panel</b>		
Operating buttons	On/off switch NMI button Reset button	
Status LEDs	System status (orange / yellow) Identification (blue) Hard disks access (green) Power (orange / green) At system rear side: System status (orange / yellow) Identification (blue) LAN connection (green) LAN speed (green / yellow) CSS (yellow)	
<b>BIOS</b>		
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	
<b>Operating Systems and Virtualization Software</b>		
Operating system release link	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473">http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473</a>	
Operating system notes	Support of other Linux derivatives on demand	
<b>Server Management</b>		
<b>Dimensions / Weight</b>		
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	<b>Floorstand Width 306 mm with tilt protection; depth measured excludes handles on redundant PSU. Rack depth excludes handles of redundant PSU and rack front.</b>	
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	
<b>Environment</b>		
<b>Electrical values</b>		
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)	

<b>Electrical values</b>	
<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>Power supply</b>	300W standard, 90% (Gold efficiency), 100-240V, 50 / 60Hz 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 RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic equipment)
<b>Germany</b>	GS
<b>Europe</b>	CE
<b>USA/Canada</b>	CSA us ULc/us FCC Class A
<b>Japan</b>	VCCI:V3 Class A + JIS 61000-3-2
<b>Russia</b>	GOST-R
<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>	* 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

<b>Warranty</b>	
<b>Warranty period</b>	1 year
<b>Warranty type</b>	Onsite warranty
<b>Product Support Services - the perfect extension</b>	
<b>Support Pack Options</b>	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
<b>Recommended Service</b>	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services">http://www.fujitsu.com/fts/services</a>

# 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/](http://www.fujitsu.com/global/products/computing/)

### Software

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