

Data Sheet

Fujitsu Server PRIMERGY TX1310 M3 Tower Server

An ideal server for your essential workloads

Fujitsu offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. Fujitsu Server PRIMERGY systems deliver workload-optimized x86 industry standard servers 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 for remote and branch offices, versatile rack-mount servers and density-optimized multi-node servers. 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 TX1310 M3

The FUJITSU Server PRIMERGY TX1310 M3 is ideal for Small and Medium-sized Enterprises and is designed to provide affordable performance for essential workloads. This mono-socket server supports the latest Intel® Xeon® E3-1200 v6 product family, Core™ i3, Pentium® and Celeron® processors, plus up to 64GB main memory to deliver right sized performance for standard infrastructure workloads such as file, print, web or office applications. The server features a completely new compact chassis, up to four 3.5-inch drives (40TB max.), plus data backup and networking capability to ensure that it can handle a range of essential workload and deployment requirements. It also offers data safety during processing via ECC memory. The PRIMERGY TX1310M3 allows organizations to upgrade from standard personal computers to an affordable server class system which can operate round the clock, and help them securely consolidate their data. Moreover, the PRIMERGY TX1310 M3 is incredibly silent making it a great choice for offices and showrooms. The servers' screw-less

chassis and new hard disk quick-release capability also make it ideal from the ease of use and serviceability perspective.



Features & Benefits

Main Features	Benefits
<p>Right sized performance</p> <ul style="list-style-type: none"> Affordable processor choices tailored to your business needs. Range of Intel® Xeon® E3-1200 v6 product family, Core™ i3, Pentium® and Celeron® processors and up to 64 GB DDR4 ECC memory (4 DIMMs). <p>Server class features across the entire feature set</p> <ul style="list-style-type: none"> Enhance your storage with up to 4x 3.5-inch non-hot plug SATA storage drives (up to 40TB) and support for RDX backup devices. Onboard Gigabit LAN as standard. 4x PCIe Gen3 slots for scalability. Error-correcting code (ECC) memory. Enhanced cooling for 24x7 operation. <p>Enhanced ease of use and serviceability</p> <ul style="list-style-type: none"> Fujitsu's innovative Cool-safe® Advanced Thermal Design technology and optimized air flow for low noise emissions. Innovative new compact chassis design for enhanced serviceability. 	<ul style="list-style-type: none"> Ideal as a cost effective choice for many essential SME server tasks, such as file, print, web, office applications or even Industry-specific applications. Provides ample performance for many small and medium sized businesses. Upgrade from a PC to a server with high quality drives, large storage capacity plus professional data backup. Transfer data with seamless, cost-effective connectivity. Additional optional networking cards are available for enhanced business specific needs. Protect your investment with a design having headroom for growth. Safety for your valuable enterprise data while it is being processed. Keeps your business running non stop. Silent Operation and a wide range of operation (5 °C to 35 °C). Screw-less chassis with easy, fast and comfortable access to the interior of the server, PCIe slots and brand new cold-plug drive designs with cable less access to the hard disks.

Technical details

PRIMERGY TX1310 M3

Base unit	PRIMERGY TX1310 M3 LFF
Housing types	Tower
Storage drive architecture	3.5-inch
Power supply	Standard
Product Type	Mono Socket Tower Server

Mainboard

Chipset	Intel® C236
Processor quantity and type	1 x Intel® Xeon® processor E3-1200 v6 product family / Intel® Celeron® processor / Intel® Core™ i3 processor / Intel® Pentium® processor
Mainboard type	D 3521
Processor quantity and type	1 x Intel® Xeon® processor E3-1200 v6 product family Intel® Celeron® processor Intel® Core™ i3 processor Intel® Pentium® processor

Processor	Intel® Xeon® processor E3-1245v6 (4C/8T, 3.70 GHz, up to 3.9 GHz, 2,400 MHz) Intel® Xeon® processor E3-1205v6 (4C/4T, 3.00 GHz, up to 3.3 GHz, 2,400 MHz) Intel® Celeron® processor G3930E (2C/2T, 2.90 GHz, 2,133 MHz)
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Memory slots	4
Memory capacity (min. - max.)	4 GB - 64 GB
Memory slots	4
Memory slot type	DIMM (DDR4)
Memory capacity (min. - max.)	4 GB - 64 GB
Memory protection	ECC

Memory options	4 GB (1 module(s) 4 GB) DDR4, unbuffered, ECC, 2,400 MT/s, PC4-2400, DIMM, 1Rx8 8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,400 MT/s, PC4-2400, DIMM, 1Rx8 16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,400 MT/s, PC4-2400, DIMM, 2Rx8
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Interfaces

USB 2.x ports	3 (1x internal for UFM device, Standard: 2x rear, Basic: no rear USB2.0)
USB 3.x ports	8 (2x front, 4x rear, 1x internal Type A, 1x internal for backup device)
Graphics (15-pin)	1 x Display Port (Intel iGfx processor graphics)
Serial 1 (9-pin)	1 x RS232 optional
LAN / Ethernet (RJ-45)	1 x Gbit/s Ethernet

I/O controller on board

Serial ATA total	5
RAID controller	4 port SATA with RAID 0/1/10 for HDDs
SATA Controller	Intel® C236
LAN Controller	Intel® i219 onboard 10/100/1000 Mbit/s Ethernet PXE-Boot by LAN via PXE-Server, Teaming supported
Trusted Platform Module (TPM)	Infineon / TPM 1.2 or TPM 2.0 module; TCG compliant (option)

Slots

PCI-Express 3.0 x4 (mech. x16)	1 x Full height, up to 215 mm length
PCI-Express 3.0 x16	1 x Full height, up to 240 mm length
Slot Notes	Standard: 2x PCIe x1 (notched), both slots are Full height. One slot up to 215mm Length and one slot up to 168mm Length, Basic: n.a.

Drive bays

Storage drive bay configuration	SATA only
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Drive bays

Notes accessible drives	2 (1x 9.5mm for DVD/DVD-RW, 1x 5.25-inch half height)
Storage drive bays	4 x 3.5-inch cold-plug SATA

Fan Configuration

Fan configuration	Silent system fans
Fan notes	Non hot-plug

Operating panel

Operating buttons	On/off switch
Status LEDs	Power (green)

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
	Hyper-V Server 2016
	Windows Server 2016 Datacenter
	Windows Server 2016 Standard
	Windows Server 2016 Essentials
	Windows Storage Server 2016 Standard
	Windows Server Datacenter, version 1709
	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	
SUSE® Linux Enterprise Server 12	
Red Hat® Enterprise Linux 8	
Red Hat® Enterprise Linux 7	

Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
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Operating system notes	Support of other Linux derivatives on demand Red Hat® certification starting with version 5.9 / 6.4.
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Server Management

DC Infrastructure Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition
Server Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition ServerView Suite

Dimensions / Weight

Floor-stand (W x D x H)	180 x 313 x 374 mm
Weight	up to 12 kg

Environment

Operating ambient temperature	5 - 35 °C
Operating temperature note	ETSI 300 019-2-3 Class 3.1

Environment	
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	According to ISO9296 (LpAm at bystander position)
Sound pressure (LpAm)	23 dB(A) (idle)/ 24 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	4.0B (idle)/ 4.0B (operating)
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature.
Electrical values	
Power supply configuration	1 x standard power supply
Active power (max. configuration)	139 W
Apparent power (max. configuration)	140 VA
Heat emission (max. configuration)	500.4 kJ/h (474.3 BTU/h)
Rated current max.	3.5A (100 V) / 1.5 A (240 V)
Active power note	To estimate the power consumption of different configurations use the Fujitsu Product Configurator: www.fujitsu.com/configurator/public
Power supply	250W standard, 85% (Bronze efficiency), 100-240V, 50 / 60Hz
Compliance	
Product	PRIMERGY TX1310 M3
Model	MI6W
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical equipment)
Germany	GS
Europe	CE
USA/Canada	CSA us ULc/us FCC Class A
Japan	VCCI:V3 Class A + JIS 61000-3-2
South Korea	KC
China	CCC (planned)
Australia/New Zealand	C-Tick (AS / NZS CISPR 22 Class A)
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

Backup Drives	RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0
Optical drives	Blu-ray Disc™ Triple Writer, (6x BD-RW, 8x DVD, 24x CD), ultraslim, SATA I DVD Super Multi ultra slim , (8x DVD; 24x CD), ultraslim, SATA I
Hard disk drives	HDD SATA, 6 Gb/s, 12 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 8 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 6 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 4 TB, 7,200 rpm, 512n, non hot plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, non hot plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, non hot plug, 3.5-inch, business critical HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, economic

RAID Controller	pre-configured RAID1 Array, pre-configured RAID1+HS Array, pre-configured RAID1+0 Array, pre-configured RAID0 Array,
Communication, Network	Ethernet Ctrl. 1 x 1 Gbit/s PCIe 2.1 x1 RJ45 (Intel®)
Graphics	NVIDIA® Quadro® P400 , 2 GB, N/A, PCIe x16, 3 x miniDP
Warranty	
Warranty period	1 year
Warranty type	Onsite Service
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM
Product Support Services - 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 Response Time: 4h
Service Lifecycle	5 years after end of product life
Spare Parts availability	5 years
Service Weblink	http://www.fujitsu.com/fts/products/product-support-services/

More information

Fujitsu products, solutions & services

In addition to Fujitsu Server PRIMERGY TX1310 M3, 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 Server PRIMERGY TX1310 M3, 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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