Data Sheet
FUJITSU Server PRIMERGY TX1310 M3 Tower Server

An ideal server for your essential workloads

FUJITSU Server PRIMERGY will give you the servers you need to power any workload and changing business requirements. As business processes expand so does the need for applications. Each has its own resource footprint, so you need a way to optimize your computing to better serve your users. PRIMERGY systems will help you match your computing capabilities to your business priorities with our complete portfolio of expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as hyper-converged scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, provide more agility in daily operations, and integrate seamlessly to let help you concentrate on core business functions.

Perfect for small and medium businesses as well as branch offices, FUJITSU Server PRIMERGY TX tower systems are robust and cost-efficient servers by providing rock solid reliability. Additionally they are characterized by simple IT operations, low power consumption and quiet operation so that they can be handled by non-technically trained staff and can be used in standard office environments. By the way: Almost all PRIMERGY TX servers can be rack-mounted to offer best flexibility.

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
Right sized performance	
■ Affordable processor choices tailored to your business needs	■ Ideal as a cost effective choice for many essential SME server tasks, such as file, print, web, office applications or even Industry-specific applications
■ 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)	■ Provides ample performance for many small and medium sized businesses
Server class features across the entire feature set	
■ 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	■ Upgrade from a PC to a server with high quality drives, large storage capacity plus professional data backup
■ Onboard Gigabit LAN as standard	■ Transfer data with seamless, cost-effective connectivity. Additional optional networking cards are available for enhanced business specific needs
■ 4x PCIe Gen3 slots for scalability	■ Protect your investment with a design having headroom for growth
■ Error-correcting code (ECC) memory	■ Safety for your valuable enterprise data while it is being processed
■ Enhanced cooling for 24x7 operation	■ Keeps your business running non stop
Enhanced ease of use and serviceability	
■ Fujitsu's innovative Cool-safe ® Advanced Thermal Design technology and optimized air flow for low noise emissions	■ Silent Operation and expanded range of operation (5 °C to 40 °C)
■ Innovative new compact chassis design for enhanced serviceability	■ 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	PRIMERGY TX1310 M3 LFF basic (for project release only)
Housing types	Tower	Tower
Storage drive architecture	3.5-inch	3.5-inch
Power supply	Standard	Standard
Product Type	Mono Socket Tower Server	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	D 3521
Processor quantity and type	1 x Intel® Xeon® processor E3-1200 v6 product family-duplicate Intel® Celeron® processor Intel® Core™ i3 processor Intel® Pentium® processor	1 x Intel® Xeon® processor E3-1200 v6 product family-duplicate Intel® Celeron® processor Intel® Core™ i3 processor Intel® Pentium® processor
Processor	Intel® Celeron® processor G3930 (2C/2T, 2.90 GHz, TLC: 2 MB, Turbo: No, 2,133 MHz, 51 W)	
	Intel® Core™ i3-7100 processor (2C/4T, 3.90 GHz, TLC: 3 MB, Turbo: No, 2,400 MHz, 51 W)	
	Intel® Pentium® processor G4560 (2C/4T, 3.50 GHz, TLC: 3 MB, Turbo: No, 2,400 MHz, 54 W)	
	Intel® Xeon® processor E3-1225v6 (4C/4T, 3.30 GHz, TLC: 8 MB, Turbo: 3.50 GHz, 2,400 MHz, 73 W)	
	Intel® Xeon® processor E3-1245v6 (4C/8T, 3.70 GHz, TLC: 8 MB, Turbo: 3.90 GHz, 2,400 MHz, 73 W)	
Memory slots	4	2
Memory slot type	DIMM (DDR4)-duplicate	DIMM (DDR4)-duplicate
Memory capacity (min. - max.)	4 GB - 64 GB	4 GB - 32 GB
Memory protection	ECC	ECC
Memory options	4 GB (1 module(s) 4 GB) DDR4, unbuffered, ECC, 2,400 MHz, PC4-2400, DIMM, 1Rx8	
	8 GB (1 module(s) 8 GB) DDR4, unbuffered, ECC, 2,400 MHz, PC4-2400, DIMM, 1Rx8	
	16 GB (1 module(s) 16 GB) DDR4, unbuffered, ECC, 2,400 MHz, PC4-2400, DIMM, 2Rx8	
Interfaces		
USB 2.0 ports	3 (1x internal for UFM device, Standard: 2x rear, Basic: no rear USB2.0)	
USB 3.0 ports	8 (2x front, 4x rear, 1x internal Type A, 1x internal for backup device)	
Graphics (15-pin)	1 x Display Port (Intel iGfx prozessor 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)	
PCI-Express 3.0 x1 (mech. x4)		
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	
Slots		

Drive bays		
Storage drive bay configuration	SATA only	
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	2 x 3.5-inch easy change 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	Microsoft® Hyper-V Server 2016 Microsoft® Windows Server® 2016 Datacenter Microsoft® Windows Server® 2016 Standard Microsoft® Windows Server® 2016 Essentials Microsoft® Windows Storage Server 2016 Standard Microsoft® Hyper-V Server 2012 R2 Microsoft® Windows Server® 2012 R2 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Server® 2012 R2 Essentials Microsoft® Windows Server® 2012 R2 Foundation Microsoft® Windows Storage Server 2012 R2 Standard Microsoft® Hyper-V Server 2012 Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 Standard Microsoft® Windows Server® 2012 Essentials Microsoft® Windows Server® 2012 Foundation SUSE® Linux Enterprise Server 12 Red Hat® Enterprise Linux 7	
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 Red Hat® certification starting with version 5.9 / 6.4.	
Server Management		
Standard	ServerView Suite - Deploy Installation Manager Scripting Toolkit ServerView Suite - Control Operations Manager Agents and CIM Providers / Agentless Service System Monitor RAID Manager Capacity Management Storage Support ServerView Suite - Maintain Update Management (BIOS, Firmware, Windows Drives and SV Agents) Performance Measurement Asset Management Online Diagnostics ServerView Suite - Integrate Integration packs for Microsoft System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM (restricted functionality)	
Option	-	

Dimensions / Weight	
Floor-stand (W x D x H)	180 x 313 x 374 mm
Weight	up to 12 kg
Environment	
Operating ambient temperature	10 - 40 °C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
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
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 Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/
Power supply	250W standard, 85% (Bronze efficiency), 100-240V, 50 / 60Hz
Compliance	
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, 500 GB, 7,200 rpm, 512e, non hot plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 10 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, 7,200 rpm, 512e, non hot plug, 3.5-inch, economic
	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
Communication, Network	Ethernet Ctrl. 1 x 1 Gbit/s PCIe 2.1 x1 RJ45 (Intel®)
	Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 (Intel®)
Graphics	VGA Extension Card
Graphics add on cards	NVIDIA® NVS™ 315, PCIe x16, 2x DVI/VGA

Warranty	
Warranty period	1 year
Warranty type	Onsite Service (depending on country)
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 business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/products/product-support-services/

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu 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 PRIMERGY TX1310 M3, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://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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