FUJITSU

Data Sheet
Fujitsu PRIMERGY TX1310 M5 Tower Server

An ideal modern 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 M5
The Fujitsu PRIMERGY Server TX1310 M5 is ideal as the first server for small and medium-sized enterprises and is designed to provide affordable performance for essential workloads. This mono-socket server now offers the latest Intel® Xeon® E-2300 product family, Pentium® processors for compute plus up to 128GB main memory at 3200 MT/s, to boost performance across standard infrastructure workloads such as file, print, web, office applications, etc. The server supports up to four 3.5-inch drives (HDD/SSD), together with data backup and networking capability to address a range of workload and deployment requirements. It also provides data safety during processing via ECC memory. The PRIMERGY TX1310 M5 allows organizations to upgrade their IT infrastructure from personal computers to an affordable server class system, one which can operate on a round-the-clock basis, and to help them consolidate their data securely. Moreover, the PRIMERGY TX1310 M5 is compact and silent, making it a great choice for offices and showrooms. The servers' screwless chassis and hard disk quick release

capability makes it ideal as far as ease of use and serviceability are concerned.

intel XEON | Windows Server 2019 Certified | SUSE | redhat

Features & Benefits

Main Features	Benefits
RIGHT-SIZED PERFORMANCE ■ Processor choices tailored to your business needs at the right price-point, including the latest Intel® Xeon ® E-2300 product family processors and a Pentium® option and up to 128 GB DDR4 ECC memory (4 DIMMs) at 3200 MT/s.	■ A genuine prize, affordable yet substantial compute and memory tailored to match most essential SME server tasks, such as file, print, web, office applications or even industry-specific applications.
VALUE-ORIENTED EXPANDABILITY ■ Compact design with up to 4x 3.5-inch storage drives (SSD/HDD) and support for RDX backup devices, onboard dual Gigabit LAN as standard and 4x PCIe slots for expandability including graphics enhancement.	■ Upgrade from a PC to a server design which has 4x 3.5-inch, large capacity drives, plus professional data backup, and seamless, cost-effective dual-Gigabit networking. 4x PCIe (1xGen4) slots enable upgrades such as a NVIDIA card for enhanced graphics capabilities.
AFFORDABLE SERVER CLASS RELIABILITY ■ Designed to be the "first server" for SMEs without compromising on server class capability; offers design features such as Error-correcting code (ECC) memory and Cool-safe® Advanced Thermal Design.	■ Server class design features offer robust investment protection. ECC memory offers safety for your valuable enterprise data even as the data is being processed, while Cool-safe® allows for relatively silent and expanded range of operation.
ENHANCED EASE OF USE ■ Chassis design for enhanced serviceability.	■ The server design features a screw-less chassis with easy, fast and comfortable access to the interior of the server, PCIe slots and cold-plug drive designs with cable less access to the hard disks.

http://www.fujitsu.com/global/products/computing/servers/primergy/tower/tx1310m5/

Technical details

PRIMERGY TX1310 M5

Base unit	PRIMERGY TX1310 M5 LFF
Housing types	Tower
Storage drive architecture	3.5-inch
Power supply	Standard
Product Type	Mono Socket Tower Server

Mainboard

Mainboard type	D3930
Chipset	Intel® C256
Processor quantity and type	1 x Intel® Xeon® E-2300 processor family / Intel® Pentium® processor
Memory slots	4
Memory slot type	UDIMM (DDR4)
Memory capacity (min. - max.)	8 GB - 128 GB
Memory protection	ECC
Memory notes	support up to 3200 MT/s. Pentium CPU support up to 2666 MT/s only. Any mix of different memory modules with different order code is not supported.

Interfaces

USB 2.x ports	4 (Rear: 4x USB 2.0)
USB 3.x ports	5 (Front: 1x USB 3.2 Gen2x2(20 Gbps) Type C, 1x USB 3.2 Gen1x1(5 Gbps) / Rear:, USB 3.2 Gen2x1(10 Gbps) / Internal: 1x USB 3.2 Gen1x1(5 Gbps))
Graphics (15-pin)	1 x Display Port (Integrated processor graphics)
Serial connection	1 x RS232 (option)
LAN / Ethernet	2

Onboard or integrated Controller

Serial ATA total	7
RAID controller	4 port SATA with RAID 0/1/10 for HDDs Integrated RAID 0/1 or RAID 5/6 controller (option)
SATA Controller	Intel® C256, 1x SATA channel for ODD, 2x SATA channel for M.2, 4x SATA channel for HDD/SSD
LAN Controller	Intel® i210 onboard 2 x 1 Gbit/s Ethernet (RJ45)
Trusted Platform Module (TPM)	TPM 2.0 module (option)

Slots

PCI-Express 4.0 x16	1 x Full height
PCI-Express 3.0 x1 (mech. x4)	1 x Full height, up to 215 mm length
PCI-Express 3.0 x4	2 x Full height, up to 215 mm length
Slot Notes	PCIe 4.0 slot works as PCIe 3.0 with Pentium CPU.

Drive bays

Storage drive bays	4 x 3.5-inch cold-plug SATA
Accessible drive bays	1 x 5.25/9.5mm for DVD-RW/Blu-ray 1 x 5.25/1.6-inch for backup devices
Storage drive bays	4 x 3.5-inch cold-plug SATA
Number of fans	2
Fan configuration	Silent system fans
Fan notes	Non hot-plug

Operating panel

Operating buttons	On/off switch

Operating panel

Status LEDs	At system front side: Power (DC-On: green / AC-On: white) Hard disks access (green) At system rear side: LAN connection (green) LAN speed (green / yellow)

Operating Systems and Virtualization Software

Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	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.

Server Management

DC Infrastructure Management	Please see "Management Notes" section
Server Management	Please see "Management Notes" section
Management notes	Server and Infrastructure Management Information under finalisation. Will be available by launch.

Dimensions / Weight

Floor-stand (W x D x H)	180 x 313 x 379 mm
Weight	up to 11 kg

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	8 - 85 % (non condensing)
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)	22 dB(A) (idle)/ 23 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	3.6B (idle)/ 3.8B (operating)
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature.
Power supply configuration	1 x standard power supply
Active power (max. configuration)	284 W
Apparent power (max. configuration)	100VAC: 299W (Max) 200VAC: 289W (Max) VA
Heat emission (max. configuration)	1022.4 kJ/h (969.0 BTU/h)
Rated current max.	7-3.5A 100-240V
Active power note	To estimate the power consumption of different configurations please use the Fujitsu WebArchitect: www.fujitsu.com/configurator/public
Power supply	250W standard, 90% (Gold efficiency), 100-240V, 50 / 60Hz 450W standard, 92%(Platinum efficiency), 100-240V, 50/60Hz

Compliance

Product	PRIMERGY TX1310 M5
Model	PS1310A
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical equipment)
Germany	GS
Europe	CE
USA/Canada	NRTLc/us FCC Class A ICES-003 / NMB-003 Class A
Japan	VCCI Class A + JIS 61000-3-2

Compliance

Russia	EAC
South Korea	KC
China	CCC
Australia/New Zealand	RCM
Taiwan	BSMI
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

Notes

Compatibility	If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.
Continuity management	The product may in connection with and depending on the specific configuration include elements to support time- and performance-critical applications, however high availability (e.g., 99.9999%) and failsafe performance is not a standalone product feature. If and to the extent the product is to be used in such business-critical environments, it is within the sole responsibility of the user to set up the specific additional technical features (e.g., Storage Cluster), redundancies, and operational conditions as required to ensure such high availability or failsafe performance.
Security	The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.

Warranty

Warranty period	1 year
Warranty type	Onsite warranty
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM

Product Support - the perfect extension

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/
Service Weblink	http://www.fujitsu.com/fts/products/product-support-services/

More information

Fujitsu products, solutions & services

In addition to Fujitsu PRIMERGY TX1310 M5, 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 M5, 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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