

# 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
<p><b>Right sized performance</b></p> <ul style="list-style-type: none"> <li>Affordable processor choices tailored to your business needs</li> <li>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)</li> </ul> <p><b>Server class features across the entire feature set</b></p> <ul style="list-style-type: none"> <li>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</li> <li>Onboard Gigabit LAN as standard</li> <li>4x PCIe Gen3 slots for scalability</li> <li>Error-correcting code (ECC) memory</li> <li>Enhanced cooling for 24x7 operation</li> </ul> <p><b>Enhanced ease of use and serviceability</b></p> <ul style="list-style-type: none"> <li>Fujitsu's innovative Cool-safe® Advanced Thermal Design technology and optimized air flow for low noise emissions</li> <li>Innovative new compact chassis design for enhanced serviceability</li> </ul>	<ul style="list-style-type: none"> <li>Ideal as a cost effective choice for many essential SME server tasks, such as file, print, web, office applications or even Industry-specific applications</li> <li>Provides ample performance for many small and medium sized businesses</li> <li>Upgrade from a PC to a server with high quality drives, large storage capacity plus professional data backup</li> <li>Transfer data with seamless, cost-effective connectivity. Additional optional networking cards are available for enhanced business specific needs</li> <li>Protect your investment with a design having headroom for growth</li> <li>Safety for your valuable enterprise data while it is being processed</li> <li>Keeps your business running non stop</li> <li>Silent Operation and expanded range of operation (5 °C to 40 °C)</li> <li>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</li> </ul>

# 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 Intel® Celeron® processor Intel® Core™ i3 processor Intel® Pentium® processor	1 x Intel® Xeon® processor E3-1200 v6 product family 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)	DIMM (DDR4)
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 (2x rear, 1x internal for backup device)
USB 3.0 ports	6 (Standard: 2x front, 4x rear / Basic: 2x front, 2x rear )
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	6
RAID controller	4 port SATA with RAID 0/1/10 for HDDs
SATA Controller	Intel® C226
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 2012 R2
	Microsoft® Hyper-V Server 2016
	Microsoft® Windows Server® 2012 R2 Datacenter
	Microsoft® Windows Server® 2016 Datacenter
	Microsoft® Windows Server® 2012 R2 Standard
	Microsoft® Windows Server® 2016 Standard
	Microsoft® Windows Server® 2012 R2 Essentials
	Microsoft® Windows Server® 2016 Essentials
	Microsoft® Windows Server® 2012 R2 Foundation
	Microsoft® Windows Storage Server 2012 R2 Standard
	Microsoft® Windows Storage Server 2016 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	<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>
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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**

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)
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Option	-
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**Dimensions / Weight**

Floor-stand (W x D x H)	180 x 305 x 375 mm
Weight	up to 14 kg

**Environment**

Operating ambient temperature	10 - 35 °C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)

<b>Environment</b>	
Operating environment link	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a>
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.
<b>Electrical values</b>	
Power supply configuration	1 x standard power supply
Active power (max. configuration)	209 W
Apparent power (max. configuration)	211 VA
Heat emission (max. configuration)	752.4 kJ/h (713.1 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: <a href="http://configurator.ts.fujitsu.com/public/">http://configurator.ts.fujitsu.com/public/</a>
Power supply	250W standard, 90% (Gold efficiency), 100-240V, 50 / 60Hz
<b>Compliance</b>	
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic 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	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>
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

<b>Backup Drives</b>	RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0
<b>Optical drives</b>	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
<b>Hard disk drives</b>	HDD SATA, 6 Gb/s, 7,200 rpm, 512e, non hot plug, 3.5-inch, economic 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, 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
<b>Communication, Network</b>	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® )
<b>Graphics</b>	VGA Extension Card

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<b>Graphics add on cards</b>	NVIDIA® NVS™ 315, PCIe x16, 2x DVI/VGA
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<b>Warranty</b>	
<b>Warranty period</b>	1 year
<b>Warranty type</b>	Onsite Service (depending on country)
<b>Warranty Terms &amp; Conditions</b>	<a href="http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM">http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM</a>

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<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
<b>Service Lifecycle</b>	5 years after end of product life
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/products/product-support-services/">http://www.fujitsu.com/fts/products/product-support-services/</a>

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

### Software

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