

# 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 as well as hyper-converged multi-node 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<br>Intel® Celeron® processor<br>Intel® Core™ i3 processor<br>Intel® Pentium® processor | 1 x Intel® Xeon® processor E3-1200 v6 product family<br>Intel® Celeron® processor<br>Intel® Core™ i3 processor<br>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 E3-1225v6 (4C/4T, 3.30 GHz, up to 3.5 GHz, 2,400 MHz) |
|           | Intel® Xeon® processor E3-1205v6 (4C/4T, 3.00 GHz, up to 3.3 GHz, 2,400 MHz) |
|           | Intel® Pentium® processor G4560 (2C/4T, 3.50 GHz, 2,400 MHz)                 |
|           | Intel® Core™ i3-7100 processor (2C/4T, 3.90 GHz, 2,400 MHz)                  |
|           | Intel® Celeron® processor G3930 (2C/2T, 2.90 GHz, 2,133 MHz)                 |

|                               |              |              |
|-------------------------------|--------------|--------------|
| 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 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 |

## 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 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<br>10/100/1000 Mbit/s Ethernet<br>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   |                               |
| 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 | 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  | <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<br>Red Hat® certification starting with version 5.9 / 6.4.   |

**Server Management**

|                 |  |
|-----------------|--|
| <b>Standard</b> | ServerView Suite - Deploy<br>Installation Manager<br>Scripting Toolkit<br>ServerView Suite - Control<br>Operations Manager<br>Agents and CIM Providers / Agentless Service<br>System Monitor<br>RAID Manager<br>Capacity Management<br>Storage Support<br>ServerView Suite - Maintain<br>Update Management (BIOS, Firmware, Windows Drives and SV Agents)<br>Performance Measurement<br>Asset Management<br>Online Diagnostics<br>ServerView Suite - Integrate<br>Integration packs for Microsoft System Center, VMware vCenter, VMware vRealize, Nagios, and HP SIM<br>(restricted functionality) |
| <b>Option</b>   | -  |

**Dimensions / Weight**

|                                |                    |
|--------------------------------|--------------------|
| <b>Floor-stand (W x D x H)</b> | 180 x 313 x 374 mm |
| <b>Weight</b>                  | up to 12 kg        |

**Environment**

|                                      |   |
|--------------------------------------|---|
| <b>Operating ambient temperature</b> | 10 - 40 °C  |
| <b>Operating temperature note</b>    | ETSI 300 019-2-3 Class 3.1  |
| <b>Operating environment</b>         | FTS 04230 – Guideline for Data Center (installation specification)  |
| <b>Operating environment link</b>    | <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> |
| <b>Noise emission</b>                | According to ISO9296  |
| <b>Sound pressure (LpAm)</b>         | 23 dB(A) (idle)/ 24 dB(A) (operating)   |
| <b>Sound power (LWAd; 1B = 10dB)</b> | 4.0B (idle)/ 4.0B (operating)   |
| <b>Noise notes</b>                   | Noise emissions depends on operation modes, system configuration and ambient temperature.   |

**Electrical values**

|  |  |
|--|--|
| <b>Power supply configuration</b>          | 1 x standard power supply  |
| <b>Active power (max. configuration)</b>   | 139 W  |
| <b>Apparent power (max. configuration)</b> | 140 VA   |
| <b>Heat emission (max. configuration)</b>  | 500.4 kJ/h (474.3 BTU/h)   |
| <b>Rated current max.</b>                  | 3.5A (100 V) / 1.5 A ( 240 V)  |
| <b>Active power note</b>                   | To estimate the power consumption of different configurations use the Power Calculator of the System Architect:<br><a href="http://configurator.ts.fujitsu.com/public/">http://configurator.ts.fujitsu.com/public/</a> |
| <b>Power supply</b>                        | 250W standard, 85% (Bronze efficiency), 100-240V, 50 / 60Hz  |

**Compliance**

|                              |   |
|------------------------------|---|
| <b>Global</b>                | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronic equipment) |
| <b>Germany</b>               | GS  |
| <b>Europe</b>                | CE  |
| <b>USA/Canada</b>            | CSA us<br>ULc/us<br>FCC Class A   |
| <b>Japan</b>                 | VCCI:V3 Class A + JIS 61000-3-2   |
| <b>South Korea</b>           | KC  |
| <b>China</b>                 | CCC (planned)   |
| <b>Australia/New Zealand</b> | C-Tick (AS / NZS CISPR 22 Class A)  |
| <b>Compliance link</b>       | <a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>                           |

**Compliance****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<br>DVD Super Multi ultra slim , (8x DVD; 24x CD), ultraslim, SATA I   |
| <b>Hard disk drives</b>                                 | HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, 512e, non hot plug, 3.5-inch, economic<br>HDD SATA, 6 Gb/s, 12 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 10 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 8 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 6 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 4 TB, 7,200 rpm, 512n, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, non hot plug, 3.5-inch, business critical<br>HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, non hot plug, 3.5-inch, economic |
| <b>Communication, Network</b>                           | Ethernet Ctrl. 1 x 1 Gbit/s PCIe 2.1 x1 RJ45 ( Intel® )<br>Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 RJ45 ( Intel® )   |
| <b>Graphics</b>   | NVIDIA® Quadro® P400 , 2 GB, PCIe x16, 3 x miniDP  |
| <b>Warranty</b>   |  |
| <b>Warranty period</b>                                  | 1 year   |
| <b>Warranty type</b>                                    | Onsite Service   |
| <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>  |
| <b>Product Support Services - the perfect extension</b> |  |
| <b>Support Pack Options</b>                             | Globally available in major business areas:<br>9x5, Next Business Day Onsite Response Time<br>9x5, 4h Onsite Response Time (depending on country)<br>24x7, 4h Onsite Response Time (depending on country)  |
| <b>Recommended Service</b>                              | 24x7, Onsite Response Time: 4h   |
| <b>Service Lifecycle</b>                                | 5 years after end of product life  |
| <b>Spare Parts availability</b>                         | 5 years  |
| <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>  |

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

### Software

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