

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 Server PRIMERGY 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.



Features & Benefits

| Main Features | Benefits |
|---|--|
| <p>RIGHT-SIZED PERFORMANCE</p> <ul style="list-style-type: none">■ 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. | <ul style="list-style-type: none">■ 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. |
| <p>VALUE-ORIENTED EXPANDABILITY</p> <ul style="list-style-type: none">■ 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. | <ul style="list-style-type: none">■ 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. |
| <p>AFFORDABLE SERVER CLASS RELIABILITY</p> <ul style="list-style-type: none">■ 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. | <ul style="list-style-type: none">■ 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. |
| <p>ENHANCED EASE OF USE</p> <ul style="list-style-type: none">■ Chassis design for enhanced serviceability. | <ul style="list-style-type: none">■ 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. |

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 |

| | |
|-----------|--|
| Processor | Intel® Xeon® processor E-2374G (4C/8T, 3.70 GHz, up to 4.9 GHz, 3,200 MHz) Intel® Xeon® processor E-2356G (6C/12T, 3.20 GHz, up to 4.8 GHz, 3,200 MHz) Intel® Xeon® processor E-2324G (4C/4T, 3.10 GHz, up to 4.5 GHz, 3,200 MHz) Intel® Pentium® Gold G6405 (2C/4T, 4.10 GHz, 2,666 MHz) |
|-----------|--|

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

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

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

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

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

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|-------------------|---|
| Operating buttons | On/off switch |
| 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

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| Certified or supported operating systems and virtualization software | Windows Server 2022 Datacenter |
| | Windows Server 2022 Standard |
| | Windows Server 2022 Essentials |
| | Windows Server 2019 Datacenter |
| | Windows Server 2019 Standard |
| | Windows Server 2019 Essentials |
| | SUSE® Linux Enterprise Server 15 |
| | Red Hat® Enterprise Linux 8 |
| 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

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

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

Environment

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|-------------------------------------|---|
| 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 |
| Apparent power (max. configuration) | 100VAC: 299W (Max) 200VAC: 289W (Max) VA |
| 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 |

| Compliance | |
|-----------------------|--|
| Global | CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic 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 |
| 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

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|---|--|
| 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 |
| Solid-State-Drive | SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, non hot plug, 3.5-inch, enterprise, 1.5 DWPD (Drive Writes Per Day for 5 years) SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, non hot plug, 3.5-inch, enterprise, 1.5 DWPD (Drive Writes Per Day for 5 years) SSD M.2 SATA, 6 Gb/s, 480 GB, non hot plug, enterprise, 1.5 DWPD (Drive Writes Per Day for 5 years) SSD M.2 SATA, 6 Gb/s, 240 GB, non hot plug, enterprise, 1.5 DWPD (Drive Writes Per Day for 5 years) |
| | PSAS CP 2100-8i FH SAS Ctrl. 12 Gbit/s 8 ports int. PCIe 3.0 x8 |
| RAID Controller | Broadcom® PRAID CP500i FH, RAID 5 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, No FBU support |
| Communication, Network | Ethernet Ctrl. 1 x 1 Gbit/s PCIe 2.1 x1 RJ45 (Intel®) |
| GPU computing card | NVIDIA T400 4GB, 4 GB, 384 cores, 4GB, N/A, PCIe x16, 3 x miniDP |
| 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 |

Warranty

| | |
|-------------------|---|
| 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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Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.

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