

Data Sheet

Fujitsu PRIMERGY TX100 S3 Server

Datasheet for Red Hat certification

Enter the world of PRIMERGY TX servers

PRIMERGY TX industry standard tower servers: efficient, rock solid, record-breaking performance. PRIMERGY TX servers benefit from over 20 years pioneering work in the field of Green IT. That is how TX servers reach industry leading performance per watt ratios, lowering the environmental impact and running costs. TX servers can easily be managed via the free of charge PRIMERGY ServerView Suite, saving IT admin costs. That's efficient performance. Our made-to-measure service packages take care of your system every step of the way. Rest assured, PRIMERGY TX servers are put through 5000 boot cycles - that's rock solid performance. PRIMERGY TX servers are flexible systems capable of using up to two processors and up to 20 hard disks. Tower to rack mounting kits are available for most TX systems to help you move to a consolidated rack infrastructure. TX servers have a tradition of setting record-breaking performance levels. So, whether you use them as tower or rack servers, for file, print or application purposes, you will benefit from record-breaking performance. PRIMERGY TX: a tower of strength.

and the environmental impact.



PRIMERGY TX100 S3

The PRIMERGY TX100 S3 is ideal for SMEs, looking for a first server with Intel® Xeon® support. With a maximum of 32GB of RAM, and excellent processor performance, it offers more than enough performance for all classic server tasks, such as file, print, web or office applications. The dual onboard gigabit LAN, makes it easier to do business 24x7. Moreover, the TX100 S3 is incredibly silent making it an excellent choice for any office environment. With its optional zero Watt functionality and a choice of two highly efficient power supply units, the TX100 S3 minimizes costs



Features and Benefits

| Main Features | Benefits |
|--|--|
| <ul style="list-style-type: none">■ An excellent first server for SMEs looking for Intel® Xeon® support and up to 32GB of RAM■ Choose between a power supply unit (PSU) with 85% efficiency or with 94% energy efficiency and 0-Watt functionality■ Low noise levels■ Dual onboard gigabit LAN, ECC memory and optional SATA RAID 5/6 with BBU■ Halogen-free printed circuit board | <ul style="list-style-type: none">■ Great price-performance ratio - ideal for all classic server tasks like file, print, web or office applications■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize the environmental impact■ Effective air flow design ensures a silent system for an ergonomic working environment.■ Keep business processes going - 24x7■ For environmentally friendly waste disposal |

Technical details

PRIMERGY TX100 S3

| | | |
|------------------------|--------------|-------------------|
| Housing type | Tower | Tower |
| Hard disk architecture | 4x 3.5" SATA | 4x 3.5" SATA |
| Power supply | Standard | Standard (0-Watt) |

Mainboard

| | |
|-----------------------------|--|
| Mainboard type | D 3009 |
| Chipset | Intel® C200 |
| Processor quantity and type | 1 x Intel® Core™ i3 processor / Intel® Pentium® processor / Intel® Xeon® processor E3 series |

Processor

| |
|---|
| Intel® Core™ i3-2100 processor (2C/4T, 3.10 GHz, TLC: 3 MB, Turbo: No, 1333 MHz, 65 W) |
| Intel® Core™ i3-2120 processor (2C/4T, 3.30 GHz, TLC: 3 MB, Turbo: No, 1333 MHz, 65 W) |
| Intel® Pentium® processor G620 (2C/2T, 2.60 GHz, TLC: 3 MB, Turbo: No, 1066 MHz, 65 W) |
| Intel® Xeon® processor E3-1220 (4C/4T, 3.10 GHz, TLC: 8 MB, Turbo: 3.40 GHz, 1333 MHz, 80 W) |
| Intel® Xeon® processor E3-1230 (4C/8T, 3.20 GHz, TLC: 8 MB, Turbo: 3.60 GHz, 1333 MHz, 80 W) |
| Intel® Xeon® processor E3-1240 (4C/8T, 3.30 GHz, TLC: 8 MB, Turbo: 3.70 GHz, 1333 MHz, 80 W) |

| | |
|-------------------------------|--------------|
| Memory slots | 4 |
| Memory slot type | DIMM (DDR3) |
| Memory capacity (min. - max.) | 2 GB - 32 GB |
| Memory protection | ECC |

Memory modules

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|--|
| 2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM |
| 4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM |
| 8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM |

| | |
|----------------------|-----------------------------------|
| Memory modules notes | Only UDIMM (unbuffered) supported |
|----------------------|-----------------------------------|

Interfaces

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|------------------------|--|
| USB ports | 9 (2x front, 6x rear, 1x internal for backup device) |
| Graphics (15-pin) | 1 x VGA (ATI ES1000 (64MB) on board) |
| Serial 1 (9-pin) | 1 x RS232 |
| LAN / Ethernet (RJ-45) | 2 x Gbit/s Ethernet |

I/O controller on board

| | |
|-------------------------------|--|
| Serial ATA total | 6 |
| RAID controller | 4 port SATA with RAID 0/1 for HDDs |
| SATA Controller | Intel® C200 |
| LAN Controller | Intel® 82574L + Intel® 82579LM onboard, 2 x 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported |
| Trusted Platform Module (TPM) | Infineon / 1.2 (option) |

Slots

| | |
|--------------------------------|---------------------------|
| PCI-Express 2.0 x1 (mech. x4) | 1 x notched for x16 cards |
| PCI-Express 2.0 x4 | 1 x notched for x16 cards |
| PCI-Express 2.0 x8 (mech. x16) | 1 x |
| PCI-Express 2.0 x8 | 1 x |

Drive bays

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|-----------------------------|--------------------------|
| Hard disk bay configuration | 4x 3.5" easy change SATA |
|-----------------------------|--------------------------|

Drive bays

| | |
|-------------------------|---|
| Notes accessible drives | 2 (1 bay is occupied by DVD/DVD-RW, 3.5-inch) |
|-------------------------|---|

General software information

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|-------------------|--------------------|
| Fan configuration | Silent system fans |
| Fan notes | Non hot-plug |

Operating panel

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|-------------------|---------------|
| Operating buttons | On/off switch |
| Status LEDs | Power (green) |

Operating Systems and Virtualization Software

| | |
|--|---|
| Certified or supported operating systems and virtualization software | Microsoft® Microsoft® Hyper-V™ Server 2008 R2 |
| | Microsoft® Windows Server® 2008 R2 Datacenter |
| | Microsoft® Windows Server® 2008 R2 Enterprise |
| | Microsoft® Windows Server® 2008 R2 Standard |
| | Microsoft® Windows Server® 2008 R2 Foundation |
| | Microsoft® Microsoft® Windows Web Server 2008 R2 |
| | Microsoft® Windows® Small Business Server Essentials 2011 |
| | Microsoft® Windows® Small Business Server 2011 Premium Add-On |
| | Microsoft® Windows® Small Business Server Standard 2011 |
| | Microsoft® Windows® Server 2008 Enterprise |
| | Microsoft® Windows® Server 2008 Standard |
| | Novell® SUSE Linux Enterprise Server 11 |
| | Novell® SUSE Linux Enterprise Server 10 |

| | |
|-------------------------------|---|
| Operating system release link | http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421 |
|-------------------------------|---|

| | |
|------------------------|--|
| Operating system notes | Support of other Linux derivatives on demand |
|------------------------|--|

Server Management

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|-------------------------|---|
| Standard | ServerView Installation Manager |
| Server Management notes | Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets. |

Dimensions / Weight

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|-------------------------|--------------------|
| Floor-stand (W x D x H) | 175 x 419 x 395 mm |
| Weight | up to 14 kg |

Environmental

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|-------------------------------|---|
| 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 locations) |
| Operating environment Link | http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe |
| Noise emission | According to ISO9296 |
| Sound pressure (LpAm) | 25 dB(A) (idle)/ 25 dB(A) (operating) |
| Sound power (LWAd; 1B = 10dB) | 3.9B (idle)/ 3.9B (operating) |
| Noise notes / description | Noise values may vary according to configuration |

Electrical values

| | |
|--------------------------------------|-------------------------------|
| Power supply configuration | 1 |
| Standard power supply output | 250 W |
| Rated voltage range | 100 V - 127 V / 200 V - 240 V |
| Rated frequency range | 47 Hz - 63 Hz |
| Rated current max. | 100 V 240 V / 5.0 2.5 A |
| Rated current in basic configuration | 100 V 240 V / 1,5 0,6 A |
| Active power (min. configuration) | 22 W |
| Active power (max. configuration) | 209 W |

Electrical values

| | |
|-------------------------------------|--|
| Apparent power (max. configuration) | 211 VA |
| Heat emission | 752.4 kJ/h (713.1 BTU/h) |
| Power Supply Notes | Fujitsu patented 0-Watt standby technology (optional). |

Compliance

| | |
|-----------------------|---|
| Germany | GS (planned) |
| Europe | CE Class A * |
| USA/Canada | CSA us ULc/us FCC Class A |
| Global | CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) |
| Japan | VCCI Class A |
| Australia/New Zealand | C-Tick (AS / NZS CISPR 22 Class 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. |
| Compliance link | http://sp.ts.fujitsu.com/sites/certificates/ |

Components

| | |
|---|--|
| Storage disks | HDD SATA, 3 Gb/s, 1000 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical HDD SATA, 3 Gb/s, 500 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, non-hot-plug, 3.5-inch, economic HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical |
| Hard disk notes | None of the hard disks for this system are hot-plug. Only SATA HDDs supported. |
| Backup Drives | DDS Gen5, 36 GB, 3 MB/s, half height, USB 2.0 DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0 RDX Drive, 80 GB, 160 GB, 320 GB, 500 GB, 25 MB/s, half height, USB 2.0 |
| Optical drives | Blu-ray Disc™ Triple Writer, (4x BD-RW; 16x DVD; 40x CD), half height, SATA I DVD-ROM, (16xDVD; 48xCD), half height, SATA I DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I |
| RAID Controller | Integrated RAID 5/6 Ctrl., HDD SAS 6 Gb, Fujitsu, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, optional BBU (based on LSI SAS2108) |
| LAN Controller | Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit CT Desktop Adapter Ethernet Ctrl. 2 x 1 Gb Fujitsu LAN Adapter D2735-2 |
| Warranty | |
| Standard Warranty | 1 year |
| Service level | On-site Service (depending on country) |
| Maintenance and Support Services - the perfect extension | |
| Recommended Service | 7x24, Onsite Response Time: 4h. |
| Service Lifecycle | 5 years |
| Service Weblink | http://ts.fujitsu.com/Supportservice |

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX100 S3, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY TX100 S3, 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 resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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