

Data Sheet

Fujitsu PRIMERGY TX100 S3 'Core Edition' Server

Just power-up 'n' run

PRIMERGY TX tower servers are ideal for use in SMEs or branch offices. They increase operational efficiency by providing rock solid, record-breaking, energy efficient performance. That performance is built on 20-years of pioneering work in Green IT. As a customer, you benefit from a reduction in your organization's environmental impact and lower running costs. The reliability is proven by testing the machines through 5000 boot cycles – far more than other vendors do. PRIMERGY TX servers are also easy to manage via the PRIMERGY ServerView Suite, reducing IT admin workload and costs. Plus, tower to rack conversion kits are available for most TX systems, ensuring investment protection.

PRIMERGY TX100 S3 'Core Edition'

The PRIMERGY TX100 S3 'Core Edition' is ideal where low initial purchase costs, easy setup and maintenance are critical, and Intel® Xeon® E3 series performance may be required. The 'headless' technology lets you access the server even though it is not connected to a monitor, mouse or keyboard – minimizing the electricity costs and the environmental impact. The Windows® Server 2008 Foundation operating system is already pre-installed, meaning you are quickly up and running. The TX100 S3 'Core Edition' is also able to correct errors on its own – without you even noticing. Just in case, the easy to use Headless Maintenance and Recovery Manager is delivered free of charge with every system. Just power-up 'n' run.



Features and Benefits

| Main Features | Benefits |
|---|---|
| <ul style="list-style-type: none">■ Preinstalled Windows® Server 2008 Foundation operating system and RAID 1.■ No mouse, monitor or keyboard necessary! Simply access the server from any client on the company's network.■ Self-healing functionality and easy to use recovery tools!■ Choose among a range of CPUs (up to Intel® Xeon® processor E3 family), memories and hard disks■ Expandable to max. 4 HDDs; with 2x 1 gigabit LAN onboard as standard■ Halogen-free printed circuit board | <ul style="list-style-type: none">■ Time-saving, ready to run system■ Save money, space and electricity costs too. Great for SMEs where space and costs are critical issues.■ Save time and stress - ideal for companies without an in-house IT expert.■ Performance and flexibility for all budgets■ Flexibility and high availability■ For environmentally friendly waste disposal |

Technical details

Mainboard

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| 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

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

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| Memory slots | 4 |
| Memory slot type | DIMM (DDR3) |
| Memory capacity (min. - max.) | 2 GB - 32 GB |
| Memory protection | ECC |
| Memory notes | Microsoft® Windows Server® 2008 R2 Foundation supports max. 8GB RAM. |

Memory options

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

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| Memory modules notes | Only UDIMM (unbuffered) supported |
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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 |
| Status LEDs | Power (green) |

I/O controller on board

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| Serial ATA total | 6 |
| RAID controller | 6 port SATA with RAID 0/1/10 for HDDs |
| SATA Controller | Intel® C202 |
| 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

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| 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 |
| Storage drive bay configuration | 4x 3.5" easy change SATA. |
| Notes accessible drives | 2 (1 bay occupied by DVD/DVD-RW 1x 3.5) |

General software information

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| Fan configuration | Silent system fans |
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General software information

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| Fan notes | Non hot-plug |
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Operating panel

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| Operating buttons | On/off switch |
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| Status LEDs | Power (green) |
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Operating Systems and Virtualization Software

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| Certified or supported operating systems and virtualization software | 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® 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 |

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| Red Hat® Enterprise Linux 6 |
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| Red Hat® Enterprise Linux 5 |
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| Operating system notes | Microsoft® Windows Server® 2008 R2 Foundation is pre-installed Pre-installed languages: English, French, German, Japanese, Russian, Spanish. Other languages are available on the DVD. |
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| Operating system release link | not applicable |
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Server Management

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| Standard | ServerView Suite - Deploy |
| | SV Installation Manager |
| | SV Scripting Toolkit |
| | SV Deployment Manager (30-day trial version) |
| | ServerView Suite - Control |
| | SV Operations Manager incl. PDA and ASR & R (Prefailure and Analysis; Automatic Server Recovery and Restart) |
| | SV Performance Management |
| | SV Power Management |
| | SV RAID Manager |
| | ServerView Suite - Maintain |
| | SV Remote Management (iRMC) |
| | SV Update Management (BIOS, Firmware, Windows Drives and SV Agents) |
| | SV Asset Management |
| SV Online Diagnostics | |
| ServerView Suite - Integrate | SV Integration packs e.g. for Microsoft System Center, Nagios, HP, SIM, HP NNM, IBM Tivoli, Altiris Deployment Solutions and others |

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| Option | ServerView Suite - Deploy |
| | SV Deployment Manager (full version) |
| | ServerView Suite - Maintain |
| | iRMC Advanced Pack incl. Advanced Video Redirection (AVR) and Remote Storage |
| | ServerView Suite - Dynamize |
| | SV Virtual-IO Manager (VIOM) |
| SV Resource Orchestrator Virtual Edition (ROR VE) | |
| SV Resource Orchestrator Cloud Edition (ROR CE) | |
| ServerView Suite - Integrate | SV Integration pack for Fujitsu ManageNow® solution |

Server Management

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| Server Management notes | Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets. |
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Dimensions / Weight

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| Floor-stand (W x D x H) | 175 x 419 x 395 mm |
| Weight | up to 12 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=d4ebd846-aa0c-478b-8f58-4cfbf3230473 |
| 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

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| 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) | 119 W |
| Apparent power (max. configuration) | 138 VA |
| Heat emission | 428.4 kJ/h (406.0 BTU/h) |
| Power Supply Notes | Fujitsu patented 0-Watt standby technology |

Compliance

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|-------------------|--|
| 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) |

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| 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. |
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| Compliance link | http://sp.ts.fujitsu.com/sites/certificates/ |
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Components

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| Storage disks | HDD SATA, 3 Gb/s, 2000 GB, 7200 rpm, non hot plug, 3.5-inch, business critical |
| | 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 |
| Optical drives | DVD-ROM, (16xDVD; 48xCD), half height, SATA I |
| 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://www.fujitsu.com/fts/services |

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX100 S3 'Core Edition', 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 'Core Edition', please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

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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