

Data Sheet

Fujitsu PRIMERGY TX100 S2 Server

Enter the world of TX servers - now with 0-Watt functionality

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 S2

PRIMERGY TX100 S2: enter the world of servers. It is the perfect server for SMEs looking to increase efficiency by centralizing their IT tasks, and it offers a great price-performance ratio. Moreover, the TX100 S2 is incredibly silent making it an excellent choice for any office environment. With its revolutionary 0-Watt functionality in off-mode and an 88% efficient power supply unit, the TX100 S2 minimizes costs and the environmental impact. The use of data security features such as ECC memory and optional RAID 5/6 ensures around-the-clock reliability. Finally, the TX100 S2 offers a choice of Intel® processors suited to the needs of SMEs. Step into the world of PRIMERGY servers.



Features and Benefits

Main Features	Benefits
<ul style="list-style-type: none">■ The wide array of configurable processors, up to Intel® Xeon® processors 3400 series, plus a range of budget options, make the PRIMERGY TX100 S2 an excellent first server for SMEs■ 0-Watt power consumption in off-mode and power supply unit (PSU) with 88% energy efficiency■ Low noise levels■ Server reliability and security thanks to the use of components such as Intel® 3420 server chipset, ECC memory, optional Trusted Platform Module (TPM) and optional SATA RAID 5/6■ Available with two different base units with a maximum of either 2 or 4 hard disks.	<ul style="list-style-type: none">■ Great price-performance ratio■ 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■ Flexibility

Technical details

Housing type	
Hard disk architecture	2 HDD 4 HDD
Mainboard	
Mainboard type	D 2779
Chipset	Intel® 3420
Processor quantity and type	1 x Intel® Celeron® processor / Intel® Core™ i3 processor / Intel® Pentium® processor / Intel® Xeon® processor X3400 series
Processor	
	Intel® Celeron® processor G1101 (2C, 2.26 GHz, TLC: 2 MB, Turbo: No, 1066 MHz, 73 W)
	Intel® Core™ i3-540 processor (2C/4T, 3.06 GHz, TLC: 4 MB, Turbo: No, 1333 MHz, 73 W)
	Intel® Core™ i3-550 processor (2C/4T, 3.20 GHz, TLC: 4 MB, Turbo: No, 1333 MHz, 73 W)
	Intel® Pentium® processor G6950 (2C, 2.80 GHz, TLC: 3 MB, Turbo: No, 1066 MHz, 73 W)
	Intel® Xeon® processor X3430 (4C/4T, 2.40 GHz, TLC: 8 MB, Turbo: 1/1/2/3, 1333 MHz, 95 W)
	Intel® Xeon® processor X3440 (4C/8T, 2.53 GHz, TLC: 8 MB, Turbo: 1/1/2/3, 1333 MHz, 95 W)
	Intel® Xeon® processor X3450 (4C/8T, 2.66 GHz, TLC: 8 MB, Turbo: 1/1/4/4, 1333 MHz, 95 W)
Memory slots	4
Memory slot type	DIMM (DDR3)
Memory capacity (min. - max.)	1 GB - 16 GB
Memory protection	ECC
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.
Memory modules	
	1 GB (1 module(s) 1 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM
	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
Memory modules notes	Only UDIMM (unbuffered) supported
Interfaces	
USB ports	11 (2 x front, 6 x back, 3 x internal)
Graphics (15-pin)	1 x VGA (ATI ES1000 (64MB) on board)
Serial 1 (9-pin)	1 x RS232
Parallel (25-pin)	1 x ECP / EPP parallel port (25 pin) - 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 (Intel PCH 3420)
SATA Controller	SATA2 (3GBit)
LAN Controller	Intel® 82578DM, 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 x4 (mech. x16)	1 x using x4 notched connector
PCI-Express 2.0 x8	2 x
PCI-slots	1 x
Slot Notes	PCI 32/33 MHz, 3.3V, full-height slot with low-profile-option available

Drive bays

Hard disk bay configuration	2 or 4 depending on chosen base unit (3.5" easy change SATA). It is not possible to upgrade the system in the field from 2 to 4 hard disks.
Notes accessible drives	1 bay occupied by DVD/DVD-RW 1x 3.5

Drive bays (Base unit specific)

Hard disk bays	2	4
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General software information

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® 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
	Microsoft® Microsoft® Windows® Small Business Server 2008 Standard
	Microsoft® Microsoft® Windows® Small Business Server 2008 Premium
	Microsoft® Windows Server® 2003 Enterprise Edition
	Microsoft® Windows Server® 2003 Standard Edition
Microsoft® Windows Server® 2003 Web Edition	
Novell® SUSE Linux Enterprise Server 11	
Novell® SUSE Linux Enterprise Server 10	
Red Hat® Enterprise Linux 6	
Red Hat® Enterprise Linux 5	
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

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

Floor-stand (W x D x H)	203 x 386 x 390 mm
Weight	12 kg

Environmental

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)	24 dB(A) (idle)/ 24 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	3.9B (idle)/ 3.9B (operating)

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 / 6.0 A 3.0 A
Rated current in basic configuration	100 V 240 V / 1,5 0,6 A
Active power (min. configuration)	26 W
Active power (max. configuration)	171 W
Apparent power (max. configuration)	171 VA
Heat emission	615.6 kJ/h (583.5 BTU/h)
Power Supply Notes	Fujitsu patented 0-Watt standby technology

Compliance

Germany	GS
Europe	CE Class A *
USA/Canada	CSAc/us ULc/us FCC Class A
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment)
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.
Compliance link	http://sp.ts.fujitsu.com/sites/certificates/

Components

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, 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, 160 GB, 320 GB, 500 GB, 1 TB , 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)
Notes	The optional BBU is not available for the TX100 S2.
LAN Controller	Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit CT Desktop Adapter Ethernet Ctrl. 1 x 1 Gb Intel® PRO/1000 PT Server Adapter Ethernet Ctrl. 2 x 1 Gb Fujitsu LAN Adapter D2735-2

Warranty

Standard Warranty	1 year
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Warranty

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 S2, 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 S2, 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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Contact

FUJITSU LIMITED

Website: www.fujitsu.com
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