Data Sheet

FUJITSU Server PRIMERGY TX100 S3p Tower Server

Enter the world of PRIMERGY TX servers

FUJITSU Server PRIMERGY systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as density-optimized scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, and provide more agility in daily operations in order to turn IT faster into a business advantage.

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 TX100 S3p
The PRIMERGY TX100 S3p is ideal for SMEs, looking for a first server with Intel® Xeon® support. With a maximum of 32 GB 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 S3p is incredibly silent making it an excellent choice for any office environment. With its optional 0-Watt functionality and a choice of two highly efficient power supply units, the TX100 S3p minimizes costs and the environmental impact.
Features & Benefits

<table>
<thead>
<tr>
<th>Main Features</th>
<th>Benefits</th>
</tr>
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<tbody>
<tr>
<td>An excellent first server for SMEs looking for Intel® Xeon® support and up to 32 GB of RAM</td>
<td>Great price-performance ratio - ideal for all classic server tasks like file, print, web or office applications</td>
</tr>
<tr>
<td>Choose between a power supply unit (PSU) with 85% efficiency or with 94% energy efficiency and 0-Watt functionality</td>
<td>Benefit from Fujitsu’s pioneering experience in Green IT - save money and minimize the environmental impact</td>
</tr>
<tr>
<td>Effective air flow design for low noise levels</td>
<td>Silent system for an ergonomic working environment</td>
</tr>
<tr>
<td>Dual onboard gigabit LAN, ECC memory and optional SATA RAID 5/6 with FBU</td>
<td>Keep business processes going - 24x7</td>
</tr>
<tr>
<td>Halogen-free printed circuit board</td>
<td>For environmentally friendly waste disposal</td>
</tr>
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Technical details

### PRIMERGY TX100 S3p

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<th>Base unit</th>
<th>PRIMERGY TX100 S3p Standard PSU</th>
<th>PRIMERGY TX100 S3p 0 Watt PSU</th>
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<tr>
<td>Housing types</td>
<td>Tower</td>
<td>Tower</td>
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<td>Storage drive architecture</td>
<td>4x 3.5-inch SATA</td>
<td>4x 3.5-inch SATA</td>
</tr>
<tr>
<td>Power supply</td>
<td>Standard</td>
<td>Standard (0-Watt)</td>
</tr>
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</table>

#### Mainboard

| Mainboard type | D 3009 |
| Chipset | Intel® C200 |
| Processor quantity and type | 1 x Intel® Xeon® processor E3-1200v2 product family |

##### Processor

- Intel® Xeon® processor E3-1220v2
  - (4C/4T, 3.10 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 69 W)
- Intel® Xeon® processor E3-1230v2
  - (4C/8T, 3.30 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 69 W)
- Intel® Xeon® processor E3-1240v2
  - (4C/8T, 3.40 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 69 W)

#### Memory slots

- 4

##### Memory slot type

- DIMM (DDR3)

##### Memory capacity (min. - max.)

- 2 GB - 32 GB

##### Memory protection

- ECC

##### Memory options

- 2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank
- 4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank
- 8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank

##### Memory modules notes

- Only UDIMM (unbuffered) supported

#### Interfaces

| USB 2.0 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 0/1/10 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 3.0 x8 | 1 x |
| PCI-Express 3.0 x8 (mech. x16) | 1 x |
| PCI-Express 2.0 x1 (mech. x4) | 1 x notched for x16 cards |
| PCI-Express 2.0 x4 | 1 x notched for x16 cards |

##### Slot Notes

- In configurations with Intel® Core™ i3 or Intel® Pentium® processors slots are operated with PCI-Express 2.0.

#### Drive bays

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

#### 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® 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
- Microsoft® Windows Server® 2003 Enterprise Edition
- SUSE® Linux Enterprise Server 11
- SUSE® Linux Enterprise Server 10
- Red Hat® Enterprise Linux 7
- Red Hat® Enterprise Linux 6
- Red Hat® Enterprise Linux 5


Operating system notes:
- Support of other Linux derivatives on demand
- Red Hat® certification starting with version 5.8 / 6.2

Server Management
- Standard:
  - ServerView Suite - Deploy
  - SV Installation Manager
- Option:
  - ServerView Suite - Maintain
    - iRMC Advanced Pack incl. Advanced Video Redirection (AVR), video capturing and Virtual Media
  - ServerView Suite - Dynamize
    - Virtual-IO Manager (VIOM)
    - Resource Orchestrator Virtual Edition (ROR VE)
    - Resource Orchestrator Cloud Edition (ROR CE)
  - ServerView Suite - Integrate
    - Integration pack for Fujitsu ManageNow® solution

Dimensions / Weight
- Floor-stand (W x D x H): 175 x 419 x 395 mm
- Weight: up to 14 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 specification)
- 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: 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
## Electrical values

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated frequency range</td>
<td>47 Hz - 63 Hz</td>
</tr>
<tr>
<td>Rated current max.</td>
<td>100 V – 240 V / 5.0 – 2.5 A</td>
</tr>
<tr>
<td>Rated current in basic configuration</td>
<td>100 V – 240 V / 1.5 – 0.6 A</td>
</tr>
<tr>
<td>Active power (min. configuration)</td>
<td>22 W</td>
</tr>
<tr>
<td>Active power (max. configuration)</td>
<td>209 W</td>
</tr>
<tr>
<td>Apparent power (max. configuration)</td>
<td>211 VA</td>
</tr>
<tr>
<td>Heat emission</td>
<td>752.4 kJ/h (713.1 BTU/h)</td>
</tr>
</tbody>
</table>

**Power Supply Notes**

Fujitsu patented 0-Watt standby technology (optional).

## Compliance

### Global
- CB
- RoHS (Restriction of hazardous substances)
- WEEE (Waste electrical and electronical equipment)

### Germany
- GS (planned)

### Europe
- CE Class A *

### USA/Canada
- CSA us
- ULc/us
- FCC Class A

### Japan
- VCCI Class A

### South Korea
- KC (planned)

### China
- CCC (planned)

### Australia/New Zealand
- C-Tick (AS / NZS CISPR 22 Class A)

### Compliance link

http://globalsp.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

### Storage drives
- HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, economic
- HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, business critical
- HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, non hot plug, 3.5-inch, economic
- HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
- HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
- HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical

### 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, (6x BD-ROM; 8x DVD; 24x CD), slimline, SATA I
- DVD-ROM, (16xDVD; 48xCD), half height, SATA I
- DVD Super Multi, (16xDVD, 8xDVD+RW; 6xDVD-RW; 12xDVD-ROM; 48xCD, 32xCD-RW), half height, SATA I

### RAID Controller
- RAID level: 0, 1, 5, 10, 6, 60, 512 MB Cache, Optional BBU for selected systems (based on LSI SAS2108)

### Communication, Network
- Ethernet Ctrl. 1 x 1 Gbit/s PCIe 1.1 x1 (Intel®)
- Ethernet Ctrl. 2 x 1 Gbit/s PCIe x4 (Fujitsu)
<table>
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<th>Warranty</th>
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<tr>
<td>Standard Warranty</td>
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<tr>
<td>Service level</td>
</tr>
<tr>
<td>Maintenance and Support Services - the perfect extension</td>
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<tr>
<td>Recommended Service</td>
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<tr>
<td>Service Lifecycle</td>
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More information

Fujitsu OPTIMIZATION Services
In addition to Fujitsu PRIMERGY TX100 S3p, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build 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 offering. This allows customers to leverage 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/services/computing/

Software
www.fujitsu.com/software/

More information
Learn more about Fujitsu PRIMERGY TX100 S3p, 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 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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