

# Data Sheet

## Fujitsu PRIMERGY TX100 S2 '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 S2 'Core Edition'

The PRIMERGY TX100 S2 Core' Edition is ideal for small premises where space and initial purchase costs are critical. The headless' technology lets you access the TX100 S2 Core' Edition 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 service tools are easy to use too. The TX100 S2 Core' Edition is 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. PRIMERGY TX100 S2 Core' Edition Just power-up n' run.



# Features and Benefits

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| Main Features   | Benefits   |
|---|--|
| <ul style="list-style-type: none"><li>■ Preinstalled Windows® Server 2008 R2 Foundation operating system and RAID 1.</li><li>■ No mouse, monitor or keyboard necessary! Simply access the server from any client on the company's network.</li><li>■ Self-healing functionality and easy to use recovery tools!</li><li>■ Intel® Xeon® processor X3430 (8M Cache, 2.40 GHz)</li><li>■ Expandable to max. 4 HDDs</li></ul> | <ul style="list-style-type: none"><li>■ Time-saving, ready to run system</li><li>■ Save money, space and electricity costs too. Great for SMEs where space and costs are critical issues.</li><li>■ Save time and stress - ideal for companies without an in-house IT expert.</li><li>■ All the performance and energy saving capabilities you will ever need - especially designed with SMEs in mind.</li><li>■ Flexibility</li></ul> |

# Technical details

|  |  |
|--|--|
| Housing type   | Tower  |
| Hard disk architecture                               | 4 HDD  |
| <b>Mainboard</b>                                     |  |
| Mainboard type                                       | D 2779   |
| Chipset  | Intel® 3420  |
| Processor quantity and type                          | 1 x Intel® Xeon® processor 3400 series   |
| <b>Processor</b>                                     |  |
|  | Intel® Xeon® processor X3430<br>(4C/4T, 2.40 GHz, TLC: 8 MB, Turbo: 1/1/2/3, 1333 MHz, 95 W)   |
| Memory slots   | 4  |
| Memory slot type                                     | DIMM (DDR3)  |
| Memory capacity (min. - max.)                        | 4 GB   |
| Memory protection                                    | ECC  |
| <b>Memory modules</b>                                |  |
|  | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM   |
| Memory modules notes                                 | Only UDIMM (unbuffered) supported; Memory modules used are: 2x 2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM.<br>Microsoft® Windows Server® 2008 R2 Foundation supports max. 8GB RAM. |
| <b>Interfaces</b>                                    |  |
| 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  |
| <b>I/O controller on board</b>                       |  |
| 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)  |
| <b>Slots</b>   |  |
| 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  |
| <b>Drive bays</b>                                    |  |
| Hard disk bay configuration                          | 4x 3.5" easy change SATA.  |
| Notes accessible drives                              | 1 bay occupied by DVD/DVD-RW 1x 3.5  |
| <b>Drive bays (Base unit specific)</b>               |  |
| Hard disk bays                                       | 4  |
| <b>General software information</b>                  |  |
| Fan configuration                                    | Silent system fans   |
| Fan notes  | Non hot-plug   |
| <b>Operating panel</b>                               |  |
| Operating buttons                                    | On/off switch  |
| Status LEDs  | Power (green)  |
| <b>Operating Systems and Virtualization Software</b> |  |
| Operating system notes                               |  |

**Operating Systems and Virtualization Software**

|                               |                |
|-------------------------------|----------------|
| Operating system release link | not applicable |
|-------------------------------|----------------|

**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 | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a> |
|----------------------------|---|

|                |                      |
|----------------|----------------------|
| 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 | 100 240 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<br>ULc/us<br>FCC Class A |
|------------|----------------------------------|

|        |  |
|--------|--|
| Global | CB<br>RoHS (Restriction of hazardous substances)<br>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 | <a href="http://sp.ts.fujitsu.com/sites/certificates/">http://sp.ts.fujitsu.com/sites/certificates/</a> |
|-----------------|---|

## Components

|               |  |
|---------------|--|
| Storage disks | HDD SATA, 3 Gb/s, 1000 GB, 7200 rpm, non hot plug, 3.5-inch, business critical |
|---------------|--|

|                 |  |
|-----------------|--|
| Hard disk notes | Default hard disk configuration: 2x 1000 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical in RAID 1 setup.<br>Only SATA HDDs supported.<br>None of the hard disks for this system are hot-plug. |
|-----------------|--|

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|                       |   |
|-----------------------|---|
| <b>Optical drives</b> | DVD-ROM, (16xDVD; 48xCD), half height, SATA I                     |
| <b>Notes</b>          | The optional BBU is not available for the TX100 S2.               |
| <b>LAN Controller</b> | Ethernet Ctrl. 2 x 1 Gb Fujitsu Eth Ctrl 2x1Gbit PCIe x4 D2735 Cu |

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|---|---|
| <b>Warranty</b>   |   |
| <b>Standard Warranty</b>  | 1 year  |
| <b>Service level</b>  | On-site Service (depending on country)  |
| <b>Maintenance and Support Services - the perfect extension</b> |   |
| <b>Recommended Service</b>                                      | 7x24, Onsite Response Time: 4h.   |
| <b>Service Lifecycle</b>  | 5 years   |
| <b>Service Weblink</b>  | <a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a> |

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## More information

### Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX100 S2 '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/](http://www.fujitsu.com/global/services/computing/)

#### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

### More information

Learn more about Fujitsu PRIMERGY TX100 S2 'Core Edition', 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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