Data Sheet
Fujitsu Server PRIMERGY CX400 M4 Multi-Node Server

Workload-specific power in a modular form factor

PRIMERGY CX400 M4
The FUJITSU Server PRIMERGY CX400 M4 helps to provide a scalable IT infrastructure enabling flexible and fast response to rapidly changing IT demands. The CX400 M4 is a modular enclosure for the Fujitsu multi-node ecosystem that combines the density and efficiency of blade-like servers with the simplicity and cost benefits of rack-based systems. The 2U enclosure allows gradual adding or removing up to 4 compact nodes as required by the business needs. The enclosure allows nodes and components to share power, cooling and management. It houses hot-plug and redundant power supply units, hot-plug and redundant fan modules as well as provides space for up to 24 storage drives.

The PRIMERGY CX server nodes provide the power for virtualized desktop infrastructures (VDI), infrastructure virtualization, High Performance and Technical Computing, Web Services, Cloud Computing but also serve as a foundation for hyper-converged infrastructures. The Infrastructure Manager (ISM) helps to manage a variety of hardware resources in data centers and converged infrastructures. It can be integrated into other Cloud Management Systems covering the administration of server, storage, network and facility elements.
## Features & Benefits

<table>
<thead>
<tr>
<th>Main Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPACT AND MODULAR FOUNDATION</td>
<td>With PRIMERGY CX400 M4 multi-node server, you get much more server density compared to the standard rack servers. In case the requirements change, it is possible to gradually add or remove server nodes as required by the business needs.</td>
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<tr>
<td>The PRIMERGY CX400 M4 chassis is Fujitsu’s densest computing solution, allowing nodes and components to share power, cooling and management. Equippable with up to 4 dual-socket server nodes plus up to 24 storage drives in a single 2U enclosure.</td>
<td></td>
</tr>
<tr>
<td>The PRIMERGY CX400 M4 can be equipped with different kinds of server nodes powered by Intel® Xeon® Scalable processors, new 2nd generation processors of the Intel® Xeon® Scalable Family (CLX-R) and Intel® Optane™ DC persistent memory technology.</td>
<td>The PRIMERGY CX400 M4 provides an ideal platform for scale-out workloads such as virtualization, all kinds of enterprise applications, high performance computing, deep learning or data analytics.</td>
</tr>
<tr>
<td>INFRASTRUCTURE MANAGEMENT</td>
<td>Converged data center management that provides organizations centralized control over the entire infrastructure that includes servers, storage, networking, cloud management software as well as power and cooling using a single user interface.</td>
</tr>
<tr>
<td>ISM Advanced is the fully featured licensed version of ISM that provides infrastructure management capabilities across data center. ISM Essential provides a quick start to infrastructure management with essential monitoring and update functions.</td>
<td></td>
</tr>
<tr>
<td>PROTECT YOUR COMPANY WITH SECURE SERVERS</td>
<td>PRIMERGY servers come with a wide variety of such robust security features and combine these capabilities with the best quality and efficiency, and more agility in daily operations helps to turn IT into a business advantage faster.</td>
</tr>
<tr>
<td>PRIMERGY servers are equipped with beneficial features to protect against, detect and recover from security breaches (UEFI Secure Boot, TPM 2.0, signed firmware updates, agent-free device management, secure authorization and authentication, alerting and logging, secure Out of Band Management with iRMC S5, …).</td>
<td></td>
</tr>
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</table>
## Technical details

### PRIMERGY CX400 M4

**Enclosure**
- **System unit type**: 2U chassis for 19-inch rack
- **Front bays**: Up to 24x 2.5-inch storage drives (usability depending on the server node)
- **Rear bays**: 4x bays for half width server nodes
- **Fan configuration**: 8x hot-plug and redundant (optional) power supply units
- **Fan notes**: System operation also in degraded mode
- **Power supply configuration**: 2x hot-plug and redundant (optional) power supply units

**Operating panel**
- **Operating buttons**: On/off switch, ID button
- **Status LEDs**: Identification (blue), Power (green), CSS Indicator, Global Error Indicator

### Dimensions / Weight
- **Rack (W x D x H)**: 480.8 mm (w/ bezel) / 444.0mm (body) x 857 x 87.8 mm
- **Mounting Depth Rack**: 820.0 mm
- **Height Unit Rack**: 2 U
- **19" rackmount**: Yes
- **Weight**: approx. 21.43 kg
- **Weight notes**: Fully assembled, Actual weight may vary depending on configuration
- **Rack integration kit**: Included in Rack System

### Electrical values
- **Max. input of single power supply**: 1,600W/2,400 W (94% efficiency)
- **Power supply configuration note**: 2x PSU in 1+1 redundancy configuration. In case of one PSU fail, system might throttle to keep system running, depends on HW configuration.
- **Power supply efficiency**: 94 % (80 PLUS platinum)
- **Rated voltage range**: 100 V - 240 V
- **Rated frequency range**: 47 Hz - 63 Hz
- **Rated current max.**: 28.4 A with two PSU (14.2A per PSU)
- **Electrical value notes**: Active power max. value depends on system configuration. For details see System Architect.

### Environment
- **Operating temperature note**: PRIMERGY servers are designed for the usage with operating temperatures of up to 35°C. There could be configurations that are not able to work within this normal operation class. Please use the Fujitsu WebArchitect (www.fujitsu.com/configurator/public) to get detailed information on the corresponding configurations.
- **Operating relative humidity**: 10 - 85 % (non condensing)
- **Maximum altitude**: 3000 m
- **Operating environment**: FTS 04230 – Guideline for Data Center (installation specification)
- **Operating environment link**: [http://docs.ts.fujitsu.com/dl.aspx?id=589915e9-1bf8-40f7-8ba4-7cac9371f2f0](http://docs.ts.fujitsu.com/dl.aspx?id=589915e9-1bf8-40f7-8ba4-7cac9371f2f0)
- **Noise emission**: According to ISO9296
- **Sound power (LWAd; 1B = 10dB)**: 7.6B (idle) / 7.9B (operating)
- **Noise notes**: Noise emissions depends on operation modes, system configuration and ambient temperature.

### Compliance
- **Product**: PRIMERGY CX400 M4
- **Model**: CX400C

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### Compliance

<table>
<thead>
<tr>
<th>Compliance</th>
<th>Germany</th>
<th>RoHS (Substance limitations in accordance with global RoHS regulations)</th>
<th>planned</th>
<th>WEEE (Waste electrical and electronical equipment)</th>
<th>planned</th>
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</table>

| Europe              | GS      | CE Class A *                                                          |         |                                                  |         |
| USA/Canada          | ULc/us  |                                                                       |         |                                                  |         |
| Japan               | VCCI/V3 Class A + JIS 61000-3-2                                     |         |                                                  |         |
| Taiwan              | CNS 13438 class A                                                   |         |                                                  |         |

**Compliance link**  
[https://sp.ts.fujitsu.com/sites/certificates](https://sp.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.

### Server Nodes

<table>
<thead>
<tr>
<th>Product Model name</th>
<th>PRIMERGY CX2550 M4</th>
<th>PRIMERGY CX2550 M5</th>
<th>PRIMERGY CX2560 M4</th>
<th>PRIMERGY CX2560 M5</th>
<th>PRIMERGY CX2570 M4</th>
<th>PRIMERGY CX2570 M5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Type</strong></td>
<td>Dual Socket 1U Server Node</td>
<td>Dual Socket 1U Server Node</td>
<td>Dual Socket 1U Server Node</td>
<td>Dual Socket 1U Server Node</td>
<td>Dual Socket 2U Server Node</td>
<td>Dual Socket 2U Server Node</td>
</tr>
<tr>
<td><strong>Processor quantity support</strong></td>
<td>1 - 2</td>
<td>1 - 2</td>
<td>1 - 2</td>
<td>1 - 2</td>
<td>1 - 2</td>
<td>1 - 2</td>
</tr>
<tr>
<td><strong>Number of nodes</strong></td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Memory slots total</strong></td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td><strong>Supported capacity RAM (max.)</strong></td>
<td>2,048 GB</td>
<td>3.5 TB</td>
<td>2,048 GB</td>
<td>3.5 TB</td>
<td>2,048 GB</td>
<td>2,048 GB</td>
</tr>
<tr>
<td><strong>Number of Storage Drives (max.)</strong></td>
<td>up to 2x 2.5-inch (in the PRIMERGY CX400 M4 chassis)</td>
<td>up to 2x 2.5-inch (in the PRIMERGY CX400 M4 chassis)</td>
<td>up to 6x 2.5-inch (in the PRIMERGY CX400 M4 chassis)</td>
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### Warranty

<table>
<thead>
<tr>
<th>Warranty</th>
<th>3 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warranty type</td>
<td>Onsite warranty</td>
</tr>
</tbody>
</table>

**Product Support - the perfect extension**  
24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.

**Service Lifecycle**  
5 years

**Service Weblink**  
Fujitsu platform solutions

In addition to Fujitsu PRIMERGY CX400 M4, 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/products/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY CX400 M4, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

Fujitsu green policy innovation

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