Fujitsu offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. Fujitsu Server PRIMERGY systems deliver workload-optimized x86 industry standard servers for any workload and business demand. Since there is no single server solution to meet all these needs, Fujitsu offers a broad server portfolio consisting of expandable tower servers for remote and branch offices, versatile rack-mount servers and density-optimized multi-node servers. Whatever the size of your business – large enterprise with multiple sites, or a small or medium-sized company with limited space and budget – with the right choice of server, your IT can become the business enabler you have always wanted it to be.

PRIMERGY CX2550 M6
The Fujitsu server PRIMERGY CX2550 M6 is a cost-effective multi-node system with maximum power and the best protection of your data. The dual-socket server node comes with the 3rd Generation Intel® Xeon® Scalable processors. It delivers high performance (up to 165W TDP), three UPI links per socket as well as a high core count of up to 24 cores per CPU. Ideal for memory intensive HPC workloads the DDR4 modules have a high bandwidth of up to 3200MT/s and room for up to 16xDIMM modules per node. The CX2550 M6 makes it possible to scale capacity and performance with up to two 2.5" SATA/PCIeSSD as well as the choice of DynamicLoM adapter via OCP V3 and up to two PCI-Express Gen4 slots.
In order to best meet the needs of HPC environments, in particular the requirement for high density, the node can be used with standard air cooling. The PRIMERGY CX400 M6 enclosure, in which the CX2550 M6 node is used, allows the sharing of power and cooling to reduce costs. The CX400 M6 is a modular 2U shared infrastructure chassis for up to four nodes with all the traditional data center attributes such as standard 19" racks, cabling and rear-aisle serviceability access.
# 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 M6 multi-node server, you get much more server density compared to the standard rack servers. This makes it ideal for service providers, the automotive industry modeling new designs, state and local authorities to provide citizen services or a retailer analyzing consumer trends. In case the requirements change, the CX400 M6 makes it possible to gradually add or remove server nodes as required by your business needs.</td>
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<td>The PRIMERGY CX2550 M6 together with the PRIMERGY CX400 M6 chassis is Fujitsu's densest computing solution. There is room for up to four 1U dual-socket server nodes plus up to 8 storage drives. The CX400 M6 allows nodes and components to share power, cooling and management. Hot-plug and redundant power supply units and fan modules ensure maximum reliability.</td>
<td>The PRIMERGY CX2550 M6 enables a flexible and fast response to rapidly changing IT demands. It provides the best performance for scale-out workloads such as high performance and technical computing with the new generation of Intel® Xeon® Processors Scalable Family.</td>
</tr>
<tr>
<td>Superior performance in a dense form factor</td>
<td>With up to 4 TB of DDR4 memory, combine performance and versatility to adapt to a variety of applications to meet future needs. The higher bandwidth let the applications run smoothly, without any problems. Save time and money, and focus on business goals.</td>
</tr>
<tr>
<td>The PRIMERGY CX2550 M6 comes with latest 3rd generation Intel® Xeon® processors that delivers high performance (up to 165W TDP), three UPI links per socket as well as a high core count of up to 24 cores per CPU.</td>
<td>Fujitsu offers comprehensive infrastructure management and server management solutions, which is key to efficient data center operations. They provide all the functions for flexible and automated 24x7 IT operations and improve end-user productivity via intelligent and innovative system management solutions. FUJITSU Software Infrastructure Manager enables organizations to drive towards the path of achieving software-defined infrastructure, by automating and simplifying infrastructure operations across compute, storage and networking.</td>
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<tr>
<td>Increased power at low cost</td>
<td></td>
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<tr>
<td>Ideal for memory intensive high performance computing workloads, the DDR4 DIMM modules have a high bandwidth of up to 3200MT/s and room for up to 16xDIMM modules per node. PRIMERGY CX2550 M6 comes with DynamicLoM adapters via OCP V3 as well as flexible PCIe riser cards with support for up to 2 x PCIe Gen4 slots.</td>
<td></td>
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<tr>
<td>Comprehensive expansion options</td>
<td></td>
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<tr>
<td>Fujitsu provides an overarching management for the new era of IT infrastructure with FUJITSU Software Infrastructure Manager (ISM) Advanced as well as the free-of-charge Essential version. ISM simplifies and automates IT operations and provides single, converged management for both the physical and the virtual environment, encompassing of computing, storage and network devices. The ISM Essential license is available free-of-charge and provides converged infrastructure monitoring and essential server management.</td>
<td></td>
</tr>
</tbody>
</table>
Technical details

**PRIMERGY CX2550 M6**

**Base unit** | PRIMERGY CX2550 M6 air cooling | PRIMERGY CX2550 M6 SSD
---|---|---
**Housing types** | Air-cooled node | Air-cooled node
**Product Type** | Dual Socket 1U Server Node | Dual Socket 1U Server Node

**Mainboard**

- **Mainboard type**: D 3893
- **Chipset**: Intel® C621A
- **Processor quantity and type**: 1 - 2 x Intel® Xeon® Gold 53xx processor / Intel® Xeon® Silver 43xx processor
- **Memory slots**: 16 (8 DIMMs per CPU, 8 channels with 1 slot per channel)
- **Memory slot type**: DIMM (DDR4)
- **Memory capacity (min. - max.)**: 8 GB - 2 TB
- **Memory protection**: ECC, Memory Scrubbing, SDDC
- **Memory notes**: Support RDIMM and LRDIMM
- **Notes**: 4x in PRIMERGY CX400 M6

**Interfaces**

- **USB 3.x ports**: 2 x USB 3.0 (rear) with high density connector
- **Graphics (15-pin)**: 1 x VGA (1x rear) with high density connector
- **LAN / Ethernet (RJ-45)**: 1 x shared management LAN port for iRMC S5 (10/100/1000 Mbit/s)

**Onboard or integrated Controller**

- **RAID controller**: 8 Port RAID 0/1 or RAID 5/6 controller as option
- **SATA Controller**: Intel® C621A
- **LAN Controller**: BCM5727 (On board LAN) (on D3893-Axx)
- **Remote management controller**: IPMI 2.0 compatible
  - Integrated Remote Management Controller (iRMC S5, 512 MB attached memory incl. graphics controller)
- **PCI-Express 5.0 x8**
- **PCI-Express 4.0 x16**: 2 x low profile (via riser card)

**Slots (Base unit specific)**

- **Drive bays**: up to 2x 2.5-inch drive bay per node (in the PRIMERGY CX400 M6 chassis), and 2x M.2 device (in the CX2550 M6 node)

**General system information**

- **Fan configuration**: Redundant and hot-plug fans part of CX400 M6 chassis

**Operating panel**

- **Operating buttons**: On/off switch
- **Status LEDs**: Power (DC-On: green / AC-On: white)
- **Status LEDs**: System status (orange)
- **Status LEDs**: LAN speed (green / yellow)
- **Status LEDs**: LAN connection (green)
- **Status LEDs**: Identification (blue)

**BIOS**

- **BIOS features**: UEFI compliant
- **BIOS features**: IPMI support
- **BIOS features**: BIOS settings save and restore
- **BIOS features**: Remote PXE boot support
Operating Systems and Virtualization Software

Operating system release link http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfb3230473

Operating system notes Use of certified or supported operating systems and virtualization software is subject to proactive acceptance of the respective License Agreements/ EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration.

Infrastructure and Server Management

DC Infrastructure Management
- Infrastructure Manager (ISM)
  - Essential Edition
  - Advanced Edition

Server Management
- Infrastructure Manager (ISM)
  - Essential Edition
  - Advanced Edition
  - ServerView Suite

Management notes For further information regarding ISM and ServerView Suite see dedicated data sheets.

Manageability link http://docs.ts.fujitsu.com/dl.aspx?id=9e92297a-16fb-4c69-8559-e38e7b42fee6

Dimensions

Dimensions (W x D x H) 193.5 x 572.8 x 40 mm

Height Unit Rack 1 U

Weight 5.1 kg

Node size 1 U half wide

Environment

Operating ambient temperature 5 - 35 °C

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)

Temperature and humidity notes Air cooling can support up to 165W CPU

Maximum altitude 3,000 m

Operating environment FTS 04230 – Guideline for Data Center (installation specification)


Compliance

Global
- CB
- RoHS (Substance limitations in accordance with global RoHS regulations)
- WEEE (Waste electrical and electronical equipment)

Europe
- CE

USA/Canada
- cTUVus
- ICES-003 Class A
- FCC Class A

Japan
- VCCI Class A

South Korea
- KN32
- KN35

Australia/New Zealand
- AS/NZS CISPR32 Class A

Taiwan
- CNS 13438 class A

Compliance link 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.

* 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.
<table>
<thead>
<tr>
<th>Warranty</th>
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<tbody>
<tr>
<td>Warranty period</td>
<td>3 years</td>
</tr>
<tr>
<td>Warranty type</td>
<td>Onsite warranty</td>
</tr>
<tr>
<td><strong>Product Support - the perfect extension</strong></td>
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<tr>
<td>Recommended Service</td>
<td>24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.</td>
</tr>
<tr>
<td>Service Lifecycle</td>
<td>at least 5 years after shipment, for details see <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a></td>
</tr>
<tr>
<td>Service Weblink</td>
<td><a href="https://www.fujitsu.com/emeia/support/">https://www.fujitsu.com/emeia/support/</a></td>
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</table>
More information

Fujitsu products, solutions & services
In addition to Fujitsu PRIMERGY CX2550 M6, 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/products/computing/

Software
www.fujitsu.com/software/

More information
Learn more about Fujitsu PRIMERGY CX2550 M6, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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 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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