

# Data Sheet

## PRIMERGY CX400 M7 Multi-Node Server

### Workload-specific power in a modular form factor

PRIMERGY portfolio offers a fantastic blend of systems, solutions and expertise to guarantee maximum productivity, efficiency and flexibility, delivering confidence and reliability. PRIMERGY server 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 CX400 M7

The PRIMERGY CX400 M7 server offers a great mix of flexibility, high capacity, and top-notch performance for rapidly changing IT requirements. The modular 2U chassis provides space for up to four compact nodes that can be added or removed depending on business needs. The four server nodes are equipped with the 5th Generation Intel® Xeon® Scalable processors and offer the optimal performance for virtualization and cloud scenarios. The enclosure allows nodes and components to share power, cooling, and management. It houses hot-plug and redundant power supply units and supports hot-plug and redundant fan modules. There is room for up to 24x 2.5" SAS/SATA/NVME storage devices and provides the flexibility to scale as the business grows. The PRIMERGY CX server nodes provide the power for infrastructure virtualization, high performance and technical computing, web services, cloud computing while also serving as a foundation for hyper-converged infrastructures. With workloads and administrative

tasks becoming increasingly complex, the Infrastructure Manager (ISM) and the Remote Management Controller (iRMC S6) help to manage a variety of hardware resources in data centers and converged infrastructures so you can focus on your business needs and objectives. In addition to some new software and hardware features, the server also offers an optionally lockable front bezel to avoid unauthorized physical access directly in the data center.



# Features & Benefits

Main Features	Benefits
<p><b>Compact and modular foundation</b></p> <ul style="list-style-type: none"> <li>■ The PRIMERGY CX400 M7 chassis is Fujitsu's densest computing solution. It can be equipped with up to 4 dual-socket server nodes in a single 2U enclosure. The CX400 M7 allows nodes and components to share power, cooling and management. Hot-plug and redundant power supply units and fan modules ensure maximum reliability.</li> </ul>	<ul style="list-style-type: none"> <li>■ With the PRIMERGY CX400 M7 multi-node server, you get much more server density compared to the standard rack servers. This makes it ideal for service providers - e.g. for the automotive industry to model new designs, for state and local authorities to provide citizen services or for a retailer to analyze consumer trends. In case the requirements change, the CX400 M7 makes it possible to gradually add or remove server nodes as required by your business needs.</li> <li>■ The PRIMERGY CX400 M7 is a scalable IT infrastructure enabling flexible and fast response to rapidly changing IT demands. It provides an ideal platform for scale-out workloads such as virtualization, all kinds of enterprise applications, high performance computing, deep learning or data analytics. With the new generation of Intel® Xeon® Processors you get the best out of your PRIMERGY CX400 M7 server.</li> <li>■ Be ready for future changes and combine high-performance PCIeSSD with normal SATA/SAS drive or choose only the PCIeSSD for your IT environment. With the flexibility of the CX400 M7, you can easily scale your server environment to meet your business needs and requirements. No matter what, you will not only reduce latency but also improve the data transfer speed of your IT infrastructure.</li> <li>■ Comprehensive infrastructure and server management solutions are 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. Infrastructure Manager (ISM) enables organizations to drive towards the path of achieving software-defined infrastructure, by automating and simplifying infrastructure operations across compute, storage, and networking.</li> </ul>
<p><b>Superior performance in a dense form factor</b></p> <ul style="list-style-type: none"> <li>■ The PRIMERGY CX400 M7 is among the most versatile general-purpose enterprise infrastructure and application servers in the industry. The chassis can be equipped with different kinds of server nodes featuring 5th Generation Intel® Xeon® Scalable processors for various usage scenarios.</li> </ul>	
<p><b>Easy scalability for rapidly changing workloads</b></p> <ul style="list-style-type: none"> <li>■ With up to 24x storage devices meet future demands and have the ability to scale easily the server system for your business needs. Choose between SATA, SAS or the faster PCIeSSD to get the best out of the CX400 M7 server. The system supports DynamicLoM via OPC V3 as well as the new 5th generation of PCIe expansion slots.</li> </ul>	
<p><b>Revolutionize data center management</b></p> <ul style="list-style-type: none"> <li>■ Providing an overarching management for the new era of IT infrastructure with 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 computing, storage, and network devices. The ISM Essential license is available free-of-charge and provides converged infrastructure monitoring and essential server management.</li> </ul>	

# Technical details

## PRIMERGY CX400 M7

Base unit	Chassis for CX2550 M7/CX2560 M7	Chassis for CX2560 M7 All NVMe
Housing types	24x (4 x 6) 2.5-inch	24x (4 x 6) 2.5-inch
Storage drive architecture	2.5-inch SAS/SATA/PCIe	2.5-inch
Power supply	Hot-plug	Hot-plug
Notes	b	b

## 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 2x hot-plug and redundant (optional) power supply units
Fan configuration	10x hot-plug and redundant fans modules with 9+1 redundancy
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	Power (DC-On: green / AC-On: white) Identification (blue) CSS Indicator Global Error Indicator

## Dimensions / Weight

Rack (W x D x H)	480 mm (w/ bezel) / 443.5 mm (body) x 860 x 86.5 mm
Mounting Depth Rack	812.8 mm
Height Unit Rack	2 U
19" rackmount	Yes
Weight	approx. 28-43 kg
Weight notes	Weight may vary depending on actual configuration
Rack integration kit	Included in System

## Electrical values

Max. input of single power supply	2,600 W (96% 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	96 % (80 PLUS titanium)
Rated voltage range	100 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current max.	30 A with two PSU (15A 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 ( <a href="http://www.fujitsu.com/configurator/public">www.fujitsu.com/configurator/public</a> ) 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	<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 power (LWAd; 1B = 10dB)	7.6B (idle) / 7.9B (operating)

**Compliance**

Product	PRIMERGY CX400 M7
Model	CX400D
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic 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	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>
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.
Manufacturer	Fsas Technologies Inc. 13-2, Nakamaruko, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-0012, Japan

**Warranty**

Manufacturer warranty period	3 years
Warranty type	Onsite warranty
<b>Product Support - the perfect extension</b>	
Recommended Service	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
Service Lifecycle	5 years
Service Weblink	<a href="https://www.fujitsu.com/emeia/support/">https://www.fujitsu.com/emeia/support/</a>

# More information

## Fujitsu products, solutions & services

In addition to PRIMERGY CX400 M7, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Built 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 offerings. This allows customers to select 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/](http://www.fujitsu.com/global/products/computing/)

### Software

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

## More information

Learn more about PRIMERGY CX400 M7, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

<http://www.fujitsu.com/emeia/products/computing/servers/primergy/scale-out/cx400m7/>

## 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>



## Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <https://www.fujitsu.com/global/about/resources/terms/>  
Copyright 2024 Fujitsu LIMITED

## Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact  
Fujitsu LIMITED

Website: [www.fujitsu.com](http://www.fujitsu.com)  
2025-03-11 WW-EN

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see <https://www.fujitsu.com/global/about/resources/terms/>  
Copyright 2024 Fujitsu LIMITED