

Data Sheet

Fujitsu PRIMERGY GX2560 M7 GPU Server

Elevate your business to new heights and stay ahead of the competition

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, density-optimized multi-node servers as well as GPU accelerated servers optimized for AI. 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 GX2560 M7

Introducing the Fujitsu PRIMERGY GX2560 M7, a powerhouse designed to elevate your computing experience. Equipped with the 4th generation of Intel Xeon Scalable Processor, this server delivers unrivaled performance and efficiency. With HBM CPU SKU support, you can achieve even greater processing power for your demanding workloads. Featuring 4 UPI and 32 DDR5 memory slots operating at a blazing bandwidth of 4,800 MT/s, the GX2560 M7 ensures seamless multitasking and accelerated data processing. Its front-end can accommodate up to 6 SATA/SAS/NVMe storage drives, providing ample space for your expanding data needs. Unlocking new levels of graphical prowess, this server is equipped with the NVIDIA HGX H100 4x GPUs (SXM5 type). Prepare for enhanced visualizations and accelerated computations. With the addition of the 5th generation of PCIe slots, offering up to 6 slots, you can optimize your system for high-speed data transfers and expandability. The PCIe Gen5 IB Card further enhances connectivity and data exchange.

Rest easy knowing that the PRIMERGY GX2560 M7 comes with comprehensive BMC support, including the latest security features, API integration, PFR, and TLS1.3 compatibility. Your data is safeguarded, and you have complete control over your server's operations. Experience the next generation of performance and reliability with the Fujitsu PRIMERGY GX2560 M7. Elevate your business to new heights and stay ahead of the competition.

Features & Benefits

Main Features	Benefits
<p>Unleash Unmatched Power</p> <ul style="list-style-type: none">■ The GX2560 M7 is equipped with a powerful 4th generation Intel Xeon Scalable Processor, delivering impressive computing power and efficiency. Experience outstanding performance for your demanding applications.	<ul style="list-style-type: none">■ The inclusion of the 4th generation Intel Xeon Scalable Processor in the GX2560 M7 ensures that you experience exceptional computing power and efficiency. This means faster data processing, improved performance, and enhanced productivity for all your demanding tasks.
<p>Turbocharge Processing</p> <ul style="list-style-type: none">■ With HBM CPU SKU support, you can achieve even higher processing performance. This feature enables you to handle the most demanding workloads with ease.	<ul style="list-style-type: none">■ With HBM CPU SKU support, you can unlock even greater processing capabilities. This feature enables to handle resource-intensive workloads with ease, resulting in improved performance and faster completion of tasks. It's a significant advantage for you who require high computational power.
<p>Seamless Multitasking</p> <ul style="list-style-type: none">■ The GX2560 M7 offers 32 DDR5 memory slots with an impressive bandwidth of 4,800 MT/s. This allows for seamless multitasking and high-speed data processing.	<ul style="list-style-type: none">■ The GX2560 M7's 32 DDR5 memory slots with a bandwidth of 4,800 MT/s provide you with seamless multitasking and accelerated data processing. This means you can run multiple applications simultaneously without sacrificing performance, ensuring a smooth and efficient workflow.
<p>Expand Storage Horizons</p> <ul style="list-style-type: none">■ With space for up to 6 SATA/SAS/NVMe storage drives in the front, the GX2560 M7 provides ample storage capacity for your growing data needs. Utilize the storage space efficiently and secure your important data.	<ul style="list-style-type: none">■ With the ability to accommodate up to 6 SATA/SAS/NVMe storage drives in the front, you have ample storage capacity for their growing data needs. This allows them to store and access your data quickly and efficiently, ensuring seamless operations and easy scalability.
<p>Exceptional Graphics Performance</p> <ul style="list-style-type: none">■ The GX2560 M7 is equipped with the impressive NVIDIA HGX H100, with space for up to 4 cards. Experience outstanding graphics performance and accelerated computations for demanding applications and visualizations. Get the most out of your graphics requirements.	<ul style="list-style-type: none">■ The inclusion of up to 4x NVIDIA HGX H100 in the GX2560 M7 brings significant advantages to you. You can experience exceptional graphics performance and accelerated computations, making it perfect for demanding applications, such as AI, machine learning, and high-performance computing. It enables you to achieve visually stunning results and process complex data faster than ever before.

Technical details

PRIMERGY GX2560 M7

Base unit	PRIMERGY GX2560 M7
Housing types	Rack
Power supply	Hot-plug
Product Type	Dual Socket Rack Server

Mainboard

Mainboard type	MBD-X12DGO-6
Processor quantity and type	2 x Intel® Xeon® Gold 64xx processor / Intel® Xeon® Gold 54xx processor / Intel® Xeon® Platinum 84xx processor
Memory slots	32
Memory capacity (min. - max.)	32 GB - 2 TB

Interfaces

USB 3.x ports	2
---------------	---

Onboard or integrated Controller

SATA Controller	Intel® C741
LAN Controller	4 x 1 Gbit/s Ethernet (RJ45) 2 x 10 Gbit/s Ethernet (RJ45) 2 x 10 Gbit/s SFP+ 4 x 10 Gbit/s SFP+ 2 x 25 Gbit/s SFP+ 2x 100 Gbit/s QSFP28
Remote management controller	IPMI 2.0 compatible

Slots

PCI-Express 4.0 x16	10 x
Slot Notes	4x slots can be used for NIC cards for direct high-throughput GPU access

Drive bays

Storage drive bays	6x SAS/SATA/NVMe x 2.5-inch
--------------------	-----------------------------

General system information

Number of fans	8
Fan configuration	CPU Node: 8x 1U fans, GPU node: 4x heavy fans
Operating buttons	On/off switch
Status LEDs	Identification (blue)

Operating Systems and Virtualization Software

Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
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.
DC Infrastructure Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition
Server Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition
Floor-stand (W x D x H)	
Rack (W x D x H)	485 x 947 x 175 mm
Height Unit Rack	4 U
Weight notes	Actual weight may vary depending on configuration
Floor-stand (W x D x H)	

Weight	70.7
Environment	
Operating ambient temperature	10 - 35 °C
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Electrical values	
Active power (max. configuration)	5,347 W
Heat emission (max. configuration)	19249.2 kJ/h (18244.7 BTU/h)
Compliance	
Product	PRIMERGY GX2560 M7
Global	CB
Europe	CE Class A *
USA/Canada	FCC Class A
Japan	VCCI:V3 Class A + JIS 61000-3-2
Taiwan	BSMI
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Components

Warranty	
Warranty period	3 years
Warranty type	Onsite warranty
Warranty Terms & Conditions	www.fujitsu.com/support
Product Support - the perfect extension	
Support Pack Options	9x5, 4h Onsite Response Time (depending on country) 9x5, Next Business Day Onsite Response Time 24x7, 4h Onsite Response Time (depending on country)
Recommended Service	24x7 Onsite Service with 4h Onsite Response Time
Service Lifecycle	at least 5 years after shipment, for details see https://support.ts.fujitsu.com/
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

More information

Fujitsu products, solutions & services

In addition to Fujitsu PRIMERGY GX2560 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/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY GX2560 M7, 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>



**Green
Policy
Innovation**

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 2023 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
2023-07-03 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 2023 Fujitsu LIMITED