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

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, PRIMERGY provides 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 PRIMERGY GX2560 M7, a powerhouse designed to elevate your computing experience. Equipped with the 4th generation of Intel® Xeon® Scalable Processor, combined with 4x NVIDIA HGX H100 GPUs this server delivers unrivaled generative AI and HPC performance with high efficiency. With DDR5 memory support, you can achieve even greater processing power for your demanding workloads. Featuring up to 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 devices, providing ample space for your expanding data needs. Unlocking new levels of computational prowess, this server is equipped with 4x NVIDIA HGX H100 GPUs (SXM5 type). Prepared 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 5.0 IB card further enhances connectivity and data exchange. Rest easy knowing that the PRIMERGY GX2560 M7 comes with comprehensive BMC support, including the security features, API integration and TLS1.2 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 PRIMERGY GX2560 M7. Elevate your business to new heights and stay ahead of the competition.
# Features & Benefits

## Main Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unleash Unmatched Power</td>
<td>- The PRIMERGY GX2560 M7 is equipped with a powerful 4th generation Intel Xeon Scalable Processor combined with 4x high-end NVIDIA HGX H100 GPUs, delivering impressive computing power and efficiency for highest generative AI solutions like HPC, Machine learning, language processing, etc.</td>
</tr>
<tr>
<td>Turbocharge Processing</td>
<td>- This procession combination of 4th generation Intel’ Xeon’ Scalable Processor and NVIDIA H100 GPU in the GX2560 M7 ensures that you experience exceptional outstanding performance and efficiency for your demanding apps. This means faster data processing, improved HPC performance, and enhanced AI for all your tasks.</td>
</tr>
<tr>
<td>Seamless Multitasking</td>
<td>- DDR5 memory DIMM unlock even greater processing capabilities. The latest memory technology enables to handle resource-intensive workloads with ease, resulting in improved memory performance.</td>
</tr>
<tr>
<td>Expand Storage Horizons</td>
<td>- The GX2560 M7 offers 32 DDR5 memory slots with a bandwidth of 4,800 MT/s. This allows for seamless multitasking and high-speed data processing.</td>
</tr>
<tr>
<td>Exceptional AI and HPC Performance</td>
<td>- The inclusion of up to 4x NVIDIA HGX H100 in the GX2560 M7 brings significant advantages to you. You can experience exceptional AI performance and accelerated computations, making it perfect for demanding applications, such as machine learning, and high-performance computing. It enables you to achieve stunning results and process complex data faster than ever before.</td>
</tr>
</tbody>
</table>

## Turbocharge Processing

- With the ideal combination of High-end NVIDIA GPU, 4th Gen Intel Xeon processors and DDR5 (4800MT/s) memory support you achieve even higher processing performance when handling the most demanding generative AI workloads with ease.

## Seamless Multitasking

- 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.

## Expand Storage Horizons

- With space for up to 6 SATA/SAS/NVMe storage devices in the front, the GX2560 M7 provides internal storage capacity for your data processing needs. Utilize the storage space efficiently and secure your important data.

## Exceptional AI and HPC Performance

- The GX2560 M7 is equipped with the impressive 4x NVIDIA HGX H100 cards. Experience outstanding performance and accelerated computations for demanding conversational AI, HPC applications and machine learning. Get the most out of your language processing.
# 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-X13DGU

### Processor quantity and type

2 x Intel® Xeon® Gold 54xx processor / Intel® Xeon® Gold 64xx processor / Intel® Xeon® Platinum 84xx processor

### Intel® Xeon® Gold Processor

- **Intel® Xeon® Gold 5420+** (28C, 2.0 GHz, TLC: 52.5 MB, Turbo: 2.70 GHz, 16 GT/s, 4,400MHz, 205 W)
- **Intel® Xeon® Gold 6430** (32 C, 2.1 GHz, TLC: 60 MB, Turbo: 3.00 GHz, 16 GT/s, 4,400MHz, 270 W)
- **Intel® Xeon® Gold 6438M** (32 C, 2.2 GHz, TLC: 60 MB, Turbo: 2.80 GHz, 16 GT/s, 4,800MHz, 205 W)
- **Intel® Xeon® Gold 6438N** (32 C, 2.0 GHz, TLC: 60 MB, Turbo: 2.70 GHz, 16 GT/s, 4,800MHz, 205 W)
- **Intel® Xeon® Gold 6448Y** (32 C, 2.1 GHz, TLC: 60 MB, Turbo: 3.00 GHz, 16 GT/s, 4,800MHz, 225 W)
- **Intel® Xeon® Gold 6454S** (32 C, 2.2 GHz, TLC: 60 MB, Turbo: 2.80 GHz, 16 GT/s, 4,800MHz, 270 W)

### Intel® Xeon® Platinum Processor

- **Intel® Xeon® Platinum 8452Y** (36C, 2.0 GHz, TLC: 67.5 MB, Turbo: 2.80 GHz, 16 GT/s, 4,800MHz, 300 W)
- **Intel® Xeon® Platinum 8458P** (44C, 2.7 GHz, TLC: 82.5 MB, Turbo: 3.20 GHz, 16 GT/s, 4,800MHz, 350 W)
- **Intel® Xeon® Platinum 8460Y+** (40C, 2.0 GHz, TLC: 105 MB, Turbo: 2.80 GHz, 16 GT/s, 4,800MHz, 350 W)
- **Intel® Xeon® Platinum 8462Y+** (32 C, 2.8 GHz, TLC: 60 MB, Turbo: 3.60 GHz, 16 GT/s, 4,800MHz, 300 W)
- **Intel® Xeon® Platinum 8468** (48C, 2.1 GHz, TLC: 105 MB, Turbo: 3.10 GHz, 16 GT/s, 4,800MHz, 350 W)
- **Intel® Xeon® Platinum 8468Y** (48C, 2.4 GHz, TLC: 97.5 MB, Turbo: 2.90 GHz, 16 GT/s, 4,800MHz, 330 W)
- **Intel® Xeon® Platinum 8470** (52C, 2.0 GHz, TLC: 105 MB, Turbo: 3.00 GHz, 16 GT/s, 4,800MHz, 350 W)
- **Intel® Xeon® Platinum 8480+** (56C, 2.0 GHz, TLC: 105 MB, Turbo: 3.00 GHz, 16 GT/s, 4,800MHz, 350 W)
- **Intel® Xeon® Platinum 8490H** (60C, 1.9 GHz, TLC: 112.5 MB, Turbo: 2.90 GHz, 16 GT/s, 4,800MHz, 350 W)

### Memory slots

32

### Memory capacity (min. - max.)

64 GB - 2 TB

### Standard memory modules

- 16 GB (1 module(s) 16 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 1Rx8
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 1Rx4
- 32 GB (1 module(s) 32 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 2Rx8
- 64 GB (1 module(s) 64 GB) DDR5, registered, ECC, 4,800 MT/s, PC5-38400, DIMM, 2Rx4

### 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

### Slot

PCI-Express 5.0 x16

6 x

### Drive bays

#### Storage drive bays

6x SAS/SATA/NVMe x 2.5-inch

### General system information

#### Number of fans

5

#### Fan configuration

5x FANs
Components

SSD SAS 2.5-inch

SSD SAS, 22.5Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
SSD SAS, 22.5Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
SSD SAS, 12 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
SSD SAS, 12 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1 DWPD
SSD SATA 2.5-inch

- SSD SATA, 6 Gb/s, 960 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD
- SSD SATA, 6 Gb/s, 960 GB, Mixed-use, 2.5-inch, enterprise, 5.0 DWPD
- SSD SATA, 6 Gb/s, 480 GB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD
- SSD SATA, 6 Gb/s, 480 GB, Mixed-use, 2.5-inch, enterprise, 5.0 DWPD
- SSD SATA, 6 Gb/s, 240 GB, Read-Intensive, 2.5-inch, enterprise, 1.5 DWPD
- SSD SATA, 6 Gb/s, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 0.6 DWPD
- SSD SATA, 6 Gb/s, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.2 DWPD
- SSD SATA, 6 Gb/s, 3.84 TB, Mixed-use, 2.5-inch, enterprise, 3.5 DWPD
- SSD SATA, 6 Gb/s, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, enterprise, 1.5 DWPD
- SSD SATA, 6 Gb/s, 1.92 TB, Mixed-use, 2.5-inch, enterprise, 5.0 DWPD

HDD 2.5-inch

- HDD SAS, 12 Gb/s, 600 GB, 10,000 rpm, 512n, hot-plug, 2.5-inch, enterprise
- HDD SAS, 12 Gb/s, 2.4 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
- HDD SAS, 12 Gb/s, 1.8 TB, 10,000 rpm, 512e, hot-plug, 2.5-inch, enterprise
- HDD SAS, 12 Gb/s, 1.2 TB, 10,000 rpm, hot-plug, 2.5-inch, enterprise

SCSI / SAS Controller

- Broadcom® PSAS CP600i LP SAS Ctrl. 12 Gbit/s PCIe 3.0 x8

RAID Controller

- Fujitsu PRAID EP680i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, NVMe-PCIe 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, based on LSI SAS3916
- Fujitsu PRAID EP640i LP, RAID 5/6 Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, based on LSI SAS3908
- Fujitsu PRAID EP 3258-16i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, NVMe-PCIe 16 GT/s, 16 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 8 GB, Optional FBU
- Fujitsu PRAID EP 3254-8i LP, RAID 5/6 Ctrl., SAS/SATA 24 Gbit/s, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 4 GB, Optional FBU
- Broadcom® PRAID CP600i LP, RAID Ctrl., SAS/SATA 12 Gbit/s, 8 ports int. RAID level: 0, 1, 10, No FBU support

InfiniBand HCA 1 x 200Gb/s PCIe x16 QSFP for the US market max. one IB HCA 200Gb controller can be installed (Mellanox)

Notes

Compatibility

If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.

Continuity management

The product may in connection with and depending on the specific configuration include elements to support time- and performance-critical applications, however high availability (e.g., 99.9999%) and failsafe performance is not a standalone product feature. If and to the extent the product is to be used in such business-critical environments, it is within the sole responsibility of the user to set up the specific additional technical features (e.g., Storage Cluster), redundancies, and operational conditions as required to ensure such high availability or failsafe performance.

Security

The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.

Warranty

Manufacturer 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
More information

Fujitsu products, solutions & services
In addition to 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/

Software
www.fujitsu.com/software/

More information
Learn more about 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

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