

Data Sheet

PRIMERGY GX2550 M8s GPU Server

Trusted AI acceleration. Made in Japan.

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 and versatile rack-mount 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 GX2550 M8s

The PRIMERGY GX2550 M8s is a GPU-accelerated 4U dual-socket rack server designed for flexible AI acceleration, enterprise rendering, visualization and HPC workloads. Supporting up to 8 double-width PCIe GPU accelerator cards — including NVIDIA RTX PRO 6000 Blackwell Server Edition — through a Dual-Root PCIe 5.0 x16 switch architecture, the system delivers dedicated high-bandwidth GPU connectivity for demanding parallel computing environments. Powered by dual Intel® Xeon® 6900P processors with up to 128 cores and supported by up to 6TB of DDR5 memory across 24 DIMM slots, the GX2550 M8s provides the compute and memory resources required for large-scale AI inference, rendering pipelines and enterprise analytics. Flexible storage configurations — E3.S, E3.L or 2.5" PCIe 5.0 NVMe — and 13 PCIe 5.0 expansion slots enable adaptation to a wide range of workload and networking requirements. As part of the Made in Japan initiative, the GX2550 M8s is assembled at the Fujitsu Kasashima factory, providing

hardware-level supply chain transparency for regulated industries and critical infrastructure environments. Integration with Infrastructure Manager (ISM) and Fsas Technologies Product Related Services delivers centralized lifecycle management and enterprise-grade operational support across AI infrastructure deployments.



Features & Benefits

Main Features	Benefits
Flexible GPU Acceleration ■ Supports up to 8 double-width PCIe GPU accelerator cards, including NVIDIA RTX PRO 6000 Blackwell Server Edition, in a compact 4U chassis. Dual-Root PCIe 5.0 x16 switch architecture ensures dedicated, high-bandwidth connectivity for each GPU. High-Performance Compute Foundation ■ Dual Intel® Xeon® 6900P processors with P-cores, supporting up to 128 cores and 504MB cache per CPU, combined with 24 DDR5 DIMM slots delivering up to 6TB of memory at up to 8,800 MT/s. Versatile Storage and Expansion ■ Offers three storage configurations — E3.S, E3.L, or 2.5" PCIe 5.0 NVMe drive bays — with 8 front-accessible hot-swap bays and 13 PCIe 5.0 x16 FHFL expansion slots for maximum flexibility. Sovereign Infrastructure. Made in Japan. ■ Assembled at the Fujitsu Kasashima factory in Japan as part of the Made in Japan initiative. Enterprise Lifecycle Management ■ Integrated into the PRIMERGY ecosystem with Infrastructure Manager (ISM) support and Fsas Technologies Product Related Services (PRS), providing centralized management, proactive monitoring and enterprise-grade lifecycle support.	■ Deploy versatile GPU infrastructure for AI inference, rendering, visualization and enterprise AI workloads — with flexible GPU configurations that adapt to your specific workload and budget requirements. ■ Handle the most demanding CPU and memory-intensive AI and HPC workloads on a balanced, high-throughput platform purpose-built for accelerated computing environments. ■ Configure storage to match your workload's I/O profile, from fast NVMe for AI data pipelines to flexible PCIe expansion for networking and accelerator add-ins, without compromising density or serviceability. ■ Address digital sovereignty requirements and supply chain transparency needs with trusted manufacturing processes — reducing risk for regulated industries, critical infrastructure operators and enterprises with strict compliance requirements. ■ Simplify operations with unified infrastructure management and rely on Fsas Technologies' end-to-end service responsibility — from deployment to decommissioning — for reduced operational risk and lower total cost of ownership.

Technical details

PRIMERGY GX2550 M8s	
Base Unit	PRIMERGY GX2550 M8s
Housing Type	Rack
Product Type	Dual Socket Rack Server
Mainboard Type	X14DBG-AP
Processor Quantity and Type	2 x Intel® Xeon® 6900 Series processor with P-cores
Processor	Intel® Xeon® processor 6980P (128C, 2.0 GHz, up to 3.9 GHz, 24 GT/s)
	Intel® Xeon® processor 6978P (120C, 2.1 GHz, up to 3.9 GHz, 24 GT/s)
	Intel® Xeon® processor 6972P (96C, 2.4 GHz, up to 3.9 GHz, 24 GT/s)
	Intel® Xeon® processor 6962P (72C, 2.7 GHz, up to 3.9 GHz, 24 GT/s)
	Intel® Xeon® processor 6960P (72C, 2.7 GHz, up to 3.9 GHz, 24 GT/s)
	Intel® Xeon® processor 6952P (96C, 2.1 GHz, up to 3.9 GHz, 24 GT/s)
	Intel® Xeon® processor 6944P (72C, 1.8 GHz, up to 3.9 GHz, 24 GT/s)
Memory Slots	24
Memory Type	DIMM (DDR5)
Memory Capacity (min. - max.)	512 GB - 6 TB
Memory Protection	ECC
Memory notes	Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM Max Memory (1DPC): Up to 6TB 8800MT/s ECC DDR5 MRDIMM
Standard Memory Modules	512 GB (16 module(s) 32 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx8
	512 GB (16 module(s) 32 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, DIMM, 2Rx8
	736 GB (24 module(s) 32 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, DIMM, 2Rx8
	768 GB (24 module(s) 32 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx8
	1024 GB (16 module(s) 64 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4
	1024 GB (16 module(s) 64 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, DIMM, 2Rx4
	1536 GB (16 module(s) 96 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4
	1536 GB (16 module(s) 96 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, DIMM, 2Rx4
	1536 GB (24 module(s) 64 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4
	1536 GB (24 module(s) 64 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, DIMM, 2Rx4
	2048 GB (16 module(s) 128 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4
	2048 GB (16 module(s) 128 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 4Rx4
	2304 GB (24 module(s) 96 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4
	2304 GB (24 module(s) 96 GB) DDR5, registered, ECC, 8,800 MT/s, PC5-70400, DIMM, 2Rx4
	3072 GB (24 module(s) 128 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 2Rx4
	3072 GB (24 module(s) 128 GB) DDR5, registered, ECC, 6,400 MT/s, PC5-51200, DIMM, 4Rx4
USB 3.x Ports	2
Management LAN	1x 1GbE (1x rear)
Interface Notes	1 VGA port / 1 TPM header
Fast IDE/Ultra DMA-100	
GPU Support	NVIDIA RTX PRO 6000 Blackwell Server Edition NVIDIA H200 NVL
PCI-Express 5.0 x8	
PCI-Express 5.0 x16	13 x Full height
Slots (Base unit specific)	
Storage Drive Bays	8x 2.5" PCIe NVMe or E3.S or E3.L
Optional Accessible Drives	2x M.2 NVMe
Storage Drive Bays	8 x 2.5-inch

Number Of Fans	10
Fan Notes	10x 8cm heavy duty fans with optimal fan speed control, 1 Air Shroud
Operating System Release Link	https://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	Remote Management Update Management Asset Management Online Diagnostics
Server Management	Infrastructure Manager (ISM) Mass Linux OS Installation Node Management Health Status Monitoring Update Management Integrate IT
Floor-stand (W x D x H)	
Rack (W x D x H)	437 x 737 x 178 mm
Height Unit Rack	4 U
Weight	29.7 kg
Floor-stand (W x D x H)	
Weight	29.7
Power Supply Configuration	4x 3200W Redundant(3 + 1) Titanium
Power Supply Notes	4x 3200W Redundant(3 + 1) Titanium
Product	
Manufacturer	Fsas Technologies Inc. 13-2, Nakamaruko, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-0012, Japan

Components

Drives	PCIe-SSD, 960 GB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD, SED
	PCIe-SSD, 960 GB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD
	PCIe-SSD, 800 GB, Mixed-use, non hot plug, M.2 module, Flash drive, 3 DWPD
	PCIe-SSD, 480 GB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD, SED
	PCIe-SSD, 480 GB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD
	PCIe-SSD, 400 GB, Mixed-use, non hot plug, M.2 module, Flash drive, 3 DWPD
	PCIe-SSD, 3.8 TB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD
	PCIe-SSD, 1.9 TB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD, SED
	PCIe-SSD, 1.9 TB, Read-Intensive, non hot plug, M.2 module, Flash drive, 1 DWPD
	PCIe-SSD SFF, 960 GB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD, SED
	PCIe-SSD SFF, 30.72 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
	PCIe-SSD SFF, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD, SED
	PCIe-SSD SFF, 15.36 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
	PCIe-SSD SFF, 12.8 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
	PCIe-SSD SFF, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD, SED
	PCIe-SSD SFF, 7.68 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
	PCIe-SSD SFF, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
	PCIe-SSD SFF, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD, SED
	PCIe-SSD SFF, 3.84 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
	PCIe-SSD SFF, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD, SED
	PCIe-SSD SFF, 1.92 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD
	PCIe-SSD SFF, 1.6 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.0 DWPD
GPU Computing Card	NVIDIA RTX PRO 6000 Blackwell Server Edition, 864 GB/s, 96GB GDDR7, N/A, PCIe x16
	NVIDIA® H200 NVL, 4.8 TB/s, 141GB HBM3e, N/A, PCIe x16
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 Fsas Technologies Inc. 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	
Recommended Service	24x7 Onsite Service with 4h Onsite Response Time
Service Lifecycle	at least 5 years after shipment, for details see https://support.eu.fsastech.com/
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

More information

Fsas Technologies products, solutions & services

In addition to PRIMERGY GX2550 M8s, Fsas Technologies provides a range of platform solutions. They combine reliable Fsas Technologies products with the best in services, know-how and worldwide partnerships.

Fsas Technologies Portfolio
Built on industry standards, Fsas Technologies offers a full portfolio of datacenter hardware, software and related services. This allows customers to select alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Data Center Solutions
<https://eu.fsastech.com/eu/>

More information

Learn more about PRIMERGY GX2550 M8s, please contact your Fsas Technologies sales representative or Business partner, or visit our website.
<https://eu.fsastech.com/eu/products-services/primergy-servers/primergy-gx2550-m8s/>

Fsas Technologies sustainability policy

Our product portfolio is developed with a commitment to environmental responsibility. For detailed product environmental information, please visit: <https://eu.fsastech.com/eu/about-us/sustainability/>

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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.
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