

Data Sheet

PRIMERGY GX2460 M1 GPU Server

GPU server optimized for AI, Data Science, VDI and HPC at the right price-performance ratio

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 GX2460 M1

The Fujitsu Server PRIMERGY GX2460 M1 is a sophisticated dual-socket rack server enhanced with the latest GPU accelerated technology to deliver the highest levels of workload versatile performance, expandability and energy efficiency at the right price points. This powerful system comes with the latest 2nd/3rd Gen AMD EPYC™ series processors with up to 32 cores, along with up to 1TB of memory across 16x DIMM slots and up to 4x NVIDIA® PCIe GPU accelerator card options plus NVIDIA's "NGC-Ready" certification making this powerful system ideal for accelerating demanding data-center workloads such as Artificial Intelligence with a focus on Deep Learning, Data Science, apart from other HPC, VDI and graphics use cases. Up to 8x NVMe/SATA drives and 6x PCIe Gen4 expansion slots (available slots depend on number of and type of GPUs installed) deliver workload versatility and future growth. The server is designed for reliability, and lowered cost of ownership with energy-efficient 2200W Platinum class dual power supplies.

Furthermore, the server supports the FUJITSU ISM, to enhance admin productivity and ease server usage across the entire lifecycle.



Features & Benefits

Main Features	Benefits
<p>GPU accelerated peak performance at the right price point</p> <ul style="list-style-type: none">■ AMD EPYC™ 7002/7003 series processors with up to 32 cores, up to 1TB memory (16 DIMM slots), and up to 4x NVIDIA A40 PCIe GPU cards, or up to 2x NVIDIA A100 80GB, RTX A6000, or A30.	<ul style="list-style-type: none">■ Ideal for heavy workloads- Deep Learning, Data Science, HPC, VDI, Graphics. NGC-Ready system tests single/ multi-GPU Deep Learning training and inference, Data Science, Application Development. NVQual certifies reliable operation at max. throughput.■ Storage capacity, networking capabilities can be tailored and expanded to specific business needs and budgets, whereas onboard I/O ports enhance connectivity.■ Redundant power supplies enhance reliability, and mitigate against expensive power supply failures, while high-efficiency further reduces overall energy envelope.■ Fujitsu ISM software offers Server status, event monitoring, update, inventory/ archive management, logging and auditing, floor layout and rack view via an easy to use UI. Pre-tested, validated software configurations also ease administrator burden.
<p>Expandable, future-ready design</p> <ul style="list-style-type: none">■ Support for up to 8x SATA/NVMe drives plus 6x PCIe Gen4 ports (availability depends on installed GPU numbers and type), standard onboard LAN (2x10 Gb/s). Also supports additional onboard I/O ports such as 4x USB-3.0, 1x VGA.	
<p>Optimized for total cost of ownership</p> <ul style="list-style-type: none">■ Compact 2U design with dual redundant, high-efficiency Platinum class power supplies.	
<p>Designed for ease-of-use across the entire lifecycle</p> <ul style="list-style-type: none">■ Fujitsu ISM Support plus range of OS/software support and validation.	

Technical details

PRIMERGY GX2460 M1

Mainboard

Processor quantity and type	2 x AMD EPYC™ 7002 series processor / AMD EPYC™ 7003 series processor
Memory slots	16 (8 DIMMs per CPU)
Memory slot type	DIMM (DDR4) ECC
Memory capacity (min. - max.)	128 GB - 1 TB
Memory protection	ECC

Interfaces

USB 3.x ports	4 x USB 3.0 (2x front, 2x rear)
Graphics (15-pin)	1 x VGA (1 x rear)

Onboard or integrated Controller

SATA Controller	AMD CPU includes SATA controller
LAN Controller	2 x 10 Gbit/s Ethernet For details, please refer to the relevant system configuration guide.
Remote management controller	IPMI 2.0 compatible

Slots

PCI-Express 4.0 x16	6 x
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Drive bays

Storage drive bays	2.5-inch hot-plug SATA/PCIe
Notes accessible drives	All possible options described in relevant system configurator.
Optional accessible drives	1 x 5.25/9.5 mm for DVD-RW/Blu-Ray

General system information

Operating panel

Operating buttons	On/off switch Reset button ID button
Status LEDs	Hard disk error LAN connection ID System status and warning (Memory/ PSU/ Fan)

BIOS

BIOS features	IPv4/IPv6 remote PXE support Legacy BIOS compatibility customer configuration option Remote PXE boot support Secure boot support IPMI support Local BIOS update from USB device UEFI compliant
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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	Support of other Linux derivatives on demand 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
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Infrastructure and Server Management

Server Management	Infrastructure Manager (ISM) Essential Edition Advanced Edition
Management notes	For further information regarding ISM see dedicated data sheets.
Manageability link	http://docs.ts.fujitsu.com/dl.aspx?id=9e92297a-16fb-4c69-8559-e38e7b42fee6

Dimensions / Weight

Rack (W x D x H)	438 x 831 x 87 mm
Height Unit Rack	2 U
Weight	max. 38 kg
Weight notes	Actual weight may vary depending on configuration
Rack integration kit	Rack integration kit as option

Environment

Operating relative humidity	10 - 85 % (non condensing)
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
Noise emission	Measured according to ISO 7779
Sound pressure (LpAm)	54 dB(A)~76 dB(A)
Noise notes	Noise emissions depends on operation modes, system configuration and ambient temperature. Operating mode measured based on OLTIS with 50% load. *OLTIS = FUJITSU Load Profile which stresses all components of a server with a given load level.

Electrical values

Power supply configuration	2 hot-plug power supplies (standard)
Hot-plug power supply redundancy	Yes
Active power note	To estimate the power consumption of different configurations use the Fujitsu Product Configurator: www.fujitsu.com/configurator/public
Power supply	2200W hot-plug, 94% (Platinum efficiency), 200-240V, 47-63 Hz

Compliance

Product	PRIMERGY GX2460 M1
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronic equipment)
Europe	CE
USA/Canada	CSAc/us ICES-003 / NMB-003 Class A FCC Class A
Japan	VCCI:V3 Class A + JIS 61000-3-2
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.

Components

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	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM
Product Support - the perfect extension	
Support Pack Options	Globally available in major metropolitan areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time (depending on country) 24x7, 4h Onsite Response Time (depending on country)
Recommended Service	24x7, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
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 PRIMERGY GX2460 M1, 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 GX2460 M1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/global/products/computing/servers/primergy/gpu/gx2460m1/

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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