Data Sheet
FUJITSU Server PRIMERGY GX2460 M1 GPU Server

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

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 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 Gen AMD EPYC™ series processors with up to 32 cores at 180W TDP, along with up to 1TB of memory across 16x DIMM slots and 4x NVIDIA® next-generation 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
GPU accelerated peak performance at the right price point	
■ AMD EPYC™ 7002 series processors with up to 32 cores, up to 1TB memory (16 DIMM slots) and up to 4x NVIDIA next-generation PCIe GPU cards (Tesla V100/V100S/T4 or Quadro RTX 6000/8000) plus "NGC-Ready" certification and NVQual qualification. Tesla A100 is also on the roadmap.	■ 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.
Expandable, future-ready design	
■ 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.	■ Storage capacity, networking capabilities can be tailored and expanded to specific business needs and budgets, whereas onboard I/O ports enhance connectivity.
Optimized for total cost of ownership	
■ Compact 2U design with dual redundant, high-efficiency Platinum class power supplies.	■ Redundant power supplies enhance reliability, and mitigate against expensive power supply failures, while high-efficiency further reduces overall energy envelope.
Designed for ease-of-use across the entire lifecycle	
■ FUJITSU ISM Support plus range of OS/software support and validation.	■ 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.

Technical details

PRIMERGY GX2460 M1	
Base unit	PRIMERGY GX2460 M1
Housing types	Rack
Storage drive architecture	8x 2.5-inch SAS/SATA/PCIe
Power supply	Hot-plug
Product Type	Dual Socket Rack Server
Mainboard	
Processor quantity and type	2 x AMD EPYC™ 7002 series processor
Processor	AMD EPYC 7502 (32C, 2.50 GHz, TLC: 128 MB, Turbo: 3.30 GHz)
	AMD EPYC 7452 (32C, 2.35 GHz, TLC: 128 MB, Turbo: 3.15 GHz)
	AMD EPYC 7402 (24C, 2.80 GHz, TLC: 128 MB, Turbo: 3.30 GHz)
	AMD EPYC 7352 (24C, 2.30 GHz, TLC: 128 MB, Turbo: 3.00 GHz)
	AMD EPYC 7302 (16C, 3.00 GHz, TLC: 128 MB, Turbo: 3.25 GHz)
	AMD EPYC 7282 (16C, 2.80 GHz, TLC: 64 MB, Turbo: 3.20 GHz)
	AMD EPYC 7262 (8C, 3.20 GHz, TLC: 128 MB, Turbo: 3.35 GHz)
	AMD EPYC 7252 (8C, 3.10 GHz, TLC: 64 MB, Turbo: 3.20 GHz)
Memory slots	16 (8 DIMMs per CPU)
Memory slot type	DIMM (DDR4) ECC
Memory capacity (min. - max.)	128 GB - 1 TB
Memory protection	ECC
Standard memory modules	16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 3,200 MT/s, PC4-3200, DIMM, 1Rx4
	16 GB (1 module(s) 16 GB) DDR4, registered, ECC, 3,200 MT/s, PC4-3200, DIMM, 2Rx8
	32 GB (1 module(s) 32 GB) DDR4, registered, ECC, 3,200 MT/s, PC4-3200, DIMM, 2Rx4
	64 GB (1 module(s) 64 GB) DDR4, registered, ECC, 3,200 MT/s, PC4-3200, DIMM, 2Rx4
	64 GB (1 module(s) 64 GB) DDR4, registered, ECC, 3,200 MT/s, PC4-3200, LRDIMM, 4Rx4
Interfaces	
USB 3.0 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
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
Storage drive bays	8 x 2.5-inch hot-plug
General system information	
Operating panel	
Operating buttons	On/off switch Reset button ID button

Operating panel	
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
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
Infrastructure and Server Management	
DC Infrastructure Management	Infrastructure Manager (ISM) Essential Advanced
Server Management	Infrastructure Manager (ISM) Essential Advanced
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
Floor-stand (W x D x H)	
Weight	20.3
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

Compliance	
Global	CB RoHS (Substance limitations in accordance with global RoHS regulations) WEEE (Waste electrical and electronical 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

Hard disk drives	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical
	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512n, hot-plug, 2.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, 512e, hot-plug, 2.5-inch, business critical
PCIe SSD & SATA DOM SSD	PCIe-SSD SFF, 6.4 TB, Mixed-use, hot-plug, 2.5-inch, Flash drive, 3.1 DWPD (Drive Writes Per Day for 5 years)
	PCIe-SSD SFF, 4 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.8 DWPD (Drive Writes Per Day for 5 years)
	PCIe-SSD SFF, 2 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 0.7 DWPD (Drive Writes Per Day for 5 years)
	PCIe-SSD SFF, 1 TB, Read-Intensive, hot-plug, 2.5-inch, Flash drive, 1.0 DWPD (Drive Writes Per Day for 5 years)
Communication, Network	Ethernet Ctrl. 2 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 (Intel®)
	Ethernet Ctrl. 2 x 10 Gbit/s / 25 Gbit/s PCIe 3.0 x8 SFP28 (Mellanox)
	Ethernet Ctrl. 2 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Intel®)
	Ethernet Ctrl. 4 x 10 Gbit/s ; 1 Gbit/s PCIe 3.0 x8 RJ45 (Intel®)
	Ethernet Ctrl. 4 x 10 Gbit/s PCIe 3.0 x8 SFP+ (Intel®)
	InfiniBand HCA 1 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed (Mellanox)
	InfiniBand HCA 2 x 100 Gbit/s PCIe 3.0 x16 QSFP for the US market max. one IB HCA 100Gb controller can be installed (Mellanox)
Graphics add on cards	NVIDIA® Tesla® T4 FH, 2560 cores, PCIe 3.0 x16, -
	NVIDIA® Tesla® V100S, 5120 cores , PCIe 3.0 x16, -
	NVIDIA® Tesla® V100, 5120 cores , PCIe 3.0 x16, -
	NVIDIA® Quadro® RTX 4000, 2304 cores, PCIe 3.0 x16, 3 x DisplayPort
	NVIDIA® Quadro® RTX 6000, 4608 cores, PCIe 3.0 x16, 4 x DisplayPort
	NVIDIA® Quadro® RTX 8000, 4608 cores, PCIe 3.0 x16, 4 x DisplayPort

Warranty	
Warranty period	3 years
Warranty type	Onsite warranty
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM

Warranty

Product Support Services - the perfect extension

Support Pack Options	Globally available in major business 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 EMEIA please contact your local Fujitsu partner.
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

More information

Fujitsu products, solutions & services

In addition to FUJITSU Server 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/computing/

Software
www.fujitsu.com/software/

More information

Learn more about FUJITSU Server PRIMERGY GX2460 M1, 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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