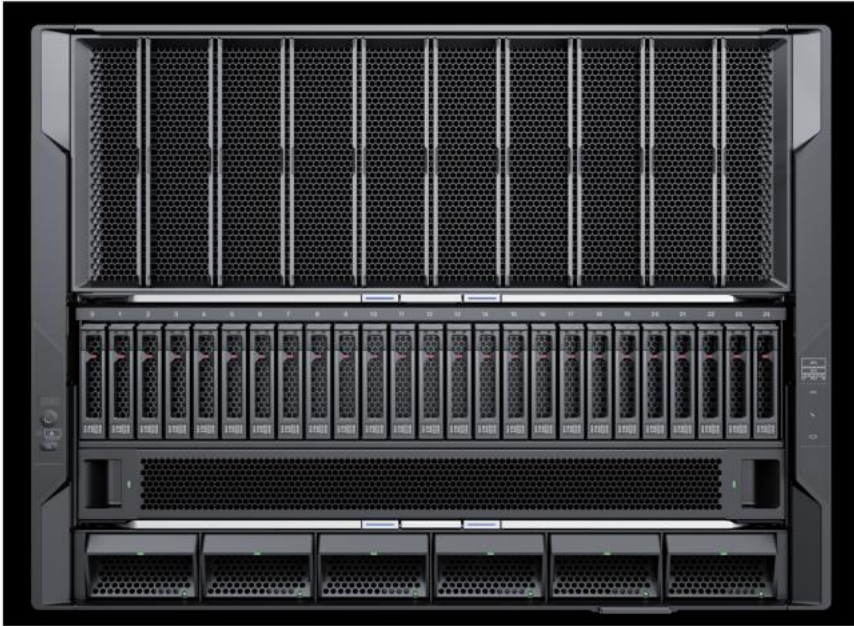# FusionServer G8600 V7-G

■■ Product Overview

The FusionServer G8600 V7-G is a new generation flagship GPU server that is suitable for high-performance scenarios such as large-scale accelerated computing, scientific computing, image and data analysis. The G8600 V7-G has the advantages of flagship computing power, ultimate energy efficiency, ultimate reliability, and easy operation and maintenance.

▪ Product Specifications

Form	8U GPU server
Processor	Two fourth generation Intel ® xeon ® Scalable processor (Sapphire Rapids), supporting a maximum power of 350W per processor
Chipset	Emmitsburg PCH
Memory	32 flexible memory slots available, supporting 4800MT/s, with a maximum capacity of 128GB per slot
Local Storage	Supports multiple different hard drive configurations, and the hard drive supports hot swapping:
	Up to 25 2.5-inch SAS/SATA hard drives can be configured
	Up to 8 NVMe SSD drives can be configured, supporting Flash storage: dual M.2 SSDs
RAID Support	Optional configuration supports RAID0, 1, 10, 5, 50, 6, 60, etc., supports Cache supercapacitor protection, provides RAID level migration, disk roaming, self diagnosis, web remote settings and other functions
GPU Acceleration Module	Support 8GPU module
Network	Multiple network expansion capabilities, supporting up to 2 OCP 3.0 network cards, optional according to needs, supporting notification based hot plugging
PCIe Extension	Up to 23 PCIe expansion slots, including 20 PCIe standard slots, 2 OCP 3.0 slots, and 1 built-in RAID card slot
Fan	GPU area: 10 54V fans, supporting N+1 redundancy; CPU area: 5 12V fans, supporting N+1 redundancy
Power Supply	The 54V power supply area can be configured with up to 6 hot swappable power modules, supporting N+1 redundancy: -3000W AC titanium power supply 1500W (input: 100VAC to 180VAC) 2500W (input: 180VAC to 200VAC) 3000W (input: 200VAC to 264VAC) 12V power supply area can be configured with 2 hot swappable power modules, supporting N+N redundancy: -3000W AC titanium power supply 2500W (input: 200VAC to 220VAC) 2900W (input: 220VAC to 230VAC) 3000W (input: 230VAC to 240VAC)
Administration	IBMC chip integrates a dedicated management GE network port, providing comprehensive fault diagnosis, automated operation and maintenance, hardware security reinforcement and other management features:
	-IBMC supports standard interfaces such as Redfish, SNMP, IPMI2.0, etc; Provide a remote management interface based on HTML5/VNC KVM; Support out of band management functions such as monitoring, diagnosis, configuration, Agentless, and remote control, simplifying management complexity
	-Optional FusionDirector management software, providing advanced management features such as five intelligences, to achieve intelligent, automated, visualized, and refined management throughout the entire lifecycle
Operating System	Ubuntu, SUSE Linux Enterprise Server, Red Hat Enterprise Linux
Security Features	Support security features such as power on password, administrator password, TPM 2.0, secure boot, etc
working Temperature	5℃ to 35℃（41°F to 95°F）
Product Certification	CQC, CE, RoHS, etc
Apt-get Install	Support L-shaped slides
Dimensions (H × W × D)	356mm×447 mm×898 mm

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