



### **General Features:**

Platform: Intel Emerald Rapids 8U 8-GPU 12-BAY rack mountable Servers

CPU: 5th Gen Intel® Xeon® Platinum 8580 Processor 2.00GHz, Core 60/Threads 120, TDP 350W

GPU card: Passthrough 8-GPU Server (Fan Version): Supports 8× 600W 3-width, 3.3-width, 3.5-width, or 4.5-width RTX 5090 fan GPUs or other 600W fan GPUs. Features a 4+4 front-rear separated upper and lower airflow layout.

Passthrough 8-GPU Server (Blower Version): Supports 8× 600W 2-width or 2.5-width RTX 5090 blower GPUs or other 600W blower GPUs. Features an 8-GPU rear-aligned centralized airflow cooling layout.

Power: Supports 8 CRPS 1600W/2200W/2600W power modules, with hot-swappable and N+N, N+M redundancy modes

RAID card: configured as required on demand

Default NIC card: options available in 1Gb/2ports/RJ45, 10G/16G etc

RAM: Options

Extra NIC: Options

OS: Options

\* supports 12 Hot-Swap 3.5"/2.5" SAS/SATA/NVMe drives.

\* 32 DDR5 memory slots, supporting DDR5 4400/4800/5600 MHz memory.

**High-End Server.** Intel Emerald Rapids 8U 8-GPU, Direct CPU-GPU connection, supports 8 GPUs with 600W power each in dual-width, 3-width, 3.5-width, and 4.5-width form factors. Meets the requirements of large model training, AI inference, graphics processing, and generative AI. Ideal for scenarios such as large models, cloud gaming, artificial intelligence, cloud computing, virtualization, big data analytics, and digital twin applications.

Model series	AC-560A12	
Model type	AC-S8580/BG12FV	AC-S8580/BG12BV
Chassis	8U 8-GPU, 60-Core Dual Processor 12-bays Fan version	8U 8-GPU, 60-Core Dual Processor 12-bays Blower version
GPU	Supports 8 × 3-width to 4.5-width GPU	Supports 8 × 2-width to 2.5-width GPU
Dimensions	364.6mm (H) x 446mm (W) x 910mm (D)	
Processor	Intel® Xeon® Platinum 8580 used, Supports 2x 4th/5th Gen Intel® Xeon® Scalable processors, maximum TDP 350W	
Memory	Supports 32 DDR5 memory slots, DDR5 4400/4800/5600MHz	
Storage Controller	RAID card controller, SAS card controller Onboard PCH supports 8 SATA interfaces Intel onboard NVMe controller	
Storage	Front panel: 12x 2.5/3.5 SAS/SATA/NVMe Built-in provision: 2 Slimline x4 interfaces (SATA), 2 M.2 (2280/22110) (SATA/PCIe 3.0 x1)	
RAID	RAID 0/1/10&5 supported	
Interfaces	Front: 2 USB 3.0, 1 VGA	
	Rear: 2 USB 3.0, 1 VGA, 1 Serial port, 1 RJ45 management port (optional 2 x 10G RJ45 network ports)	
	Internal: 1 USB 2.0	
PCIe Specs	Supports 13 PCIe expansion slots including 1 OCP 3.0 slot	
OS	Microsoft Windows Server, RedHat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, VMware ESXi, etc.	
Safety	Administrator password, TPM 2.0, chassis intrusion alarm, BMC redundancy	
Power supply	Supports 8 power modules, options of 1600W/2000W/2200W/2700W/3200W Supports hot-swap and N+N/N+M redundancy	
Fan	Standard 6 × 6056 + 6 × 12038 fan	
IPMI	Supports Redfish, SNMP, IPMI 2.0 standard interfaces	
Operating temperature & humidity	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -20°C - 80°C	

**Product partcode:**

**AC-S8580/BG12FV** 8U 8GPU Dual CPU 60-Core 12-Bay Fan version Server  
**AC-S8580/BG12BV** 8U 8GPU Dual CPU 60-Core 12-Bay Blower version Server



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