



### **General Features:**

Platform: Intel Granite Rapids 2U8/12/16/24-BAY rack mountable Servers

CPU: 6th Gen Intel® Xeon® 6788P Processor 2.00GHz, Core 86/Threads 172, TDP 350W

Riser card: Up to 12 PCIe 5.0 expansion slots, optional support for 2 dual-width, full-height, full-length GPU cards

Power: 550W CRPS x2 or as per custom requirement

Rail: chassis slide rail kits x1

RAID card: configured as required

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

RAM: Option

Extra NIC: Option

OS: Option

\* support Front 12x 3.5"/2.5" hot-swap hard drives

\* w/2x GbE and 1x IPMI Management LAN

\* supports 16x DDR5 RDIMM slots

**High-End Server.** Designed for application scenarios such as cloud computing, HPC, virtualization, telecommunications, and big data analytics. Supports 2 6th Gen Intel® Xeon® Scalable processors with up to 86 cores / 172 threads per CPU and a maximum TDP of 350W. Compatible with the 6500P and 6700P CPU series. Equipped with 12 PCIe 5.0 slots to meet extensive expansion requirements with powerful computing performance.

Model series	AC-686A12	
Model type	AC-S6788/A12	AC-D6788/A12
Chassis	2U, 86-Core Single Processor 12-bays	2U, 86-Core DUAL Processor 12-bays
Dimensions	799x433.4x87.6mm (DxWxH)	
Processor	Intel® Xeon® Silver 4416+ SINGLE processor	Intel® Xeon® Silver 4416+ DUAL processor
Memory	32x DDR5 DIMM slots, supports DDR5 RDIMM-3DS/RDIMM 6400 MHz memory	
Internal storage interface	2x NVMe M.2 SSD slots	
External hard drive	Front: Supports 12 hot-swap 3.5"/2.5" SAS/SATA/U.2 drives Rear (Optional): Supports 2x 2x2.5" hot-swap drive modules	
External port	Front Ports: 1 VGA, 2 USB 3.0 Rear ports: 1 VGA, 1 COM port, 2 USB 3.0, 1 RJ45 Gigabit management port	
PCIe expansion form	6 full-height PCIe slots, 4 half-height PCIe slots, 2 OCP 3.0 slots	
PCIe expansion specification	Riser1/2: 1x Full-Height PCIe 5.0 x16, 2x Full-Height PCIe 5.0 x8 2x Full-Height PCIe 5.0 x16 Riser3/4: 2x Half-Height PCIe 5.0 x8 1x Half-Height PCIe 5.0 x16 OCP: 2x OCP 3.0 (PCIe 5.0 x16; OCP1 default x8, upgradeable to x16 via cable; OCP2 default x16)	
Safety	Supports TPM 2.0 module, chassis intrusion alarm, BMC/BIOS redundancy	
OS	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, VMware ESXi, etc.	
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapted according to the actual power requirement)	
Fan	Standard 4x Hot-Swap N+1 Redundant Fans, supports 8038/8056 fan specifications	
IPMI	Supports Redfish, SNMP, IPMI 2.0 standard interfaces	
Management port	1x Dedicated RJ45 Management Port	
Operating temperature & humidity	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -20°C - 80°C	
Storage temperature & humidity	Short-term storage (≤72H): temperature -40°C ~ 70°C/ humidity 20%~90%RH non-condensing (including packaging) Long-term storage (>72H): temperature 20°C ~ 28°C/ humidity 30%~70%RH non-condensing (including packaging)	

**Product partcode:**

**AC-S6788/A12** 2U Single CPU 86-Core 12-Bay Server  
**AC-D6788/A12** 2U DUAL CPU 86-Core 12-Bay Server



<https://ace-sys.com>

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