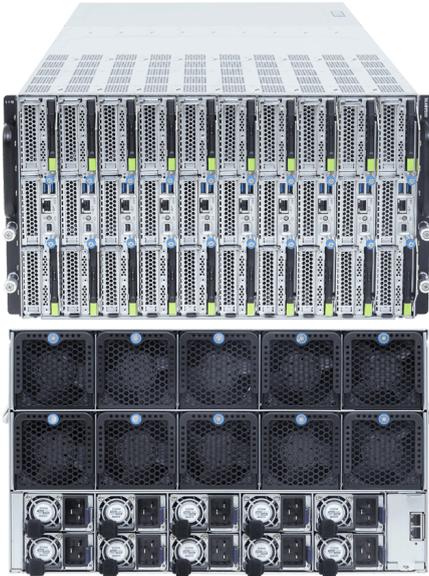# GIGABYTE™

B683-Z80-AAS1

Blade Server - AMD EPYC™ 9005/9004 - 6U 10-Node DP 20-Bay E3.S Gen5 NVMe

AMD EPYC

Key Features

- 6U 10-node front access server system
- Dual AMD EPYC™ 9005/9004 Series Processors per node
- 12-Channel DDR5 RDIMM, 24 x DIMMs per node
- 2 x E3.S Gen5 NVMe hot-swap bays per node
- 2 x LP PCIe Gen5 x16 slots per node
- 10 x 3200W 80 PLUS Titanium redundant power supplies

Applications

High-Performance Computing Server, Networks Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	6U 10-Node - Front access (W447 x H262.3 x D900 mm)	**PCIe Expansion Slots**	2 x LP PCIe Gen5 x16 per node
Motherboard	MZ83-HD3	**I/O Ports**	**Front (per node):** 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN **Rear:** 2 x CMC ports, 1 x CMC status LED
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor per node, TDP up to 500W		
Socket	20 x LGA 6096	**TPM**	1 x TPM header (SPI) per node, Optional TPM2.0 kit: CTM012
Chipset	System on Chip	**Power Supply**	10 x 3200W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs per node [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s		***The system power supply requires C19 power cord.**
		System Fans	10 x 80x80x80mm
LAN	**Front:** 1 x 10/100/1000 Mbps Management LAN per node **Rear:** 2 x Chassis Management LAN	**Operating Properties**	Operating: 10°C to 25°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP per node	**Packaging Content**	1 x B683-Z80-AAS1 20 x CPU heatsinks 1 x Mini-DP to D-Sub cable 1 x L-shape Rail kit
Storage	**Front hot-swap:** 2 x E3.S Gen5 NVMe per node	**Ordering Part Numbers**	6NB683Z80DR000ACS1*

Designed by

GIGA COMPUTING