GIGABYTE™

W775-V10-L01

Deskside AI Supercomputer - NVIDIA GB300 Grace™ Blackwell Ultra Desktop Superchip

Powered by NVIDIA

Ubuntu Certified

Key Features

- Closed-loop liquid cooling solution
- 1 x NVIDIA Blackwell Ultra GPU
- 1 x NVIDIA Grace 72-Core Neoverse V2 CPU
- 252 GB HBM3E GPU memory with 7.1 TB/s total bandwidth
- 496 GB LPDDR5X CPU memory with up to 396 GB/s bandwidth
- 2 x 400 Gb/s QSFP ports via NVIDIA ConnectX®-8 SuperNIC™
- 1 x 10 Gb/s LAN port via Marvell AQC113
- 2 x M.2 PCIe Gen6 x4
- 2 x M.2 PCIe Gen5 x4
- 1 x PCIe x16 slot with Gen5 x16 lanes for GPUs
- 2 x PCIe x16 slots with Gen5 x8 lanes
- Single 1600 W ATX 80 PLUS Platinum power supply

Specification

Dimensions	Pedestal (W245 x H500.4 x D531 mm)
Superchip	NVIDIA GB300 Grace™ Blackwell Ultra Desktop Superchip: - 1 x NVIDIA Grace™ 72-core Neoverse V2 CPU - 1 x NVIDIA Blackwell Ultra GPU - Connected with NVIDIA NVLink™-C2C
Memory	NVIDIA Grace™ CPU: - 496 GB of LPDDR5X memory with ECC - 396 GB/s memory bandwidth NVIDIA Blackwell Ultra GPU: - 252 GB HBM3E - 7.1 TB/s memory bandwidth
LAN	2 x 400 Gb/s QSFP (1 x NVIDIA ConnectX®-8 SuperNIC™) 1 x 10 Gb/s LAN (1 x Marvell AQC113) 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in onboard BMC - 1 x Mini-DP (1920 x 1080 @ 60 Hz) **Optional** GPUs: - NVIDIA RTX PRO 6000 Blackwell Workstation Edition - NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition - NVIDIA RTX PRO 4000 Blackwell SFF Edition - NVIDIA RTX PRO 2000 Blackwell
Audio	Realtek® ALC4080 Audio Codec Front: 2 x Audio jacks (Audio out/Mic) Rear: 3 x Audio jacks (Audio in/Audio out/Mic)

Storage	**Internal M.2:** 2 x M.2 (2240/2260/2280), PCIe Gen5 x4, from CPU, with OS RAID 1 support 2 x M.2 (2240/2260/2280), PCIe Gen6 x4, from ConnectX-8
PCIe Expansion Slots	1 x PCIe x16 (Gen5 x16), for GPUs 2 x PCIe x16 (Gen5 x8) 1 x M.2 (2230), E-key (Wi-Fi), PCIe Gen2 x1, from ConnectX-8
I/O Ports	**Front:** 1 x USB 3.2 Gen2 (Type-C), 2 x USB 3.2 Gen1 (Type-A) **Rear:** 4 x USB 3.2 Gen2 (Type-A), 1 x Mini-DP, 1 x RJ45, 1 x MLAN
Power Supply	Single 1600 W ATX 80 PLUS Platinum power supply AC Input: 100-240 V *The system power supply requires C19 power cord. *115-240 V AC input is recommended for optimized user experience. *System requires a 20-amp circuit to plug-in.
System Fans	3 x 120x120x25mm
Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Packaging Content	1 x W775-V10-L01 1 x Superchip liquid cooling kit
Ordering Part Numbers	6NW775V10MR000L01*

Learn more at: https://www.gigabyte.com/Enterprise

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