

PROMAGIX G480a // SPECIFICATIONS

Dimensions (WxHxD, mm)

- 4U
- 3TB DDR4 RAM
- 448 x 176 x 880

Motherboard

- MSB3-G40

CPU

- AMD EPYC™ 9004 series processors
- AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Technology
- Dual processor, 5nm technology
- *Up to 128-core, 256 threads per processor
- cTDP up to 300W at ambient 35°C

**cTDP supported up to 400W under limited thermal conditions. Please contact technical support for more details.*

NOTE: If only 1 CPU is installed, some PCIe or memory functions might be unavailable

Socket

- 2 x LGA 6096
- Socket SP5

Chipset

- System on Chip

Memory

- 24 x DIMM slots
- DDR5 memory supported only
- 12-Channel memory architecture per processor
- RDIMM modules up to 96GB supported
- 3DS RDIMM modules up to 256GB supported
- Memory speed: Up to 4800 MHz

LAN (Front-Facing)

- 2 x 10Gb/s BASE-T LAN ports (1 x Intel® X710-AT2)
- NCSI function supported
- 1 x 10/100/1000 management LAN

Video

- Integrated in Aspeed® AST2600
- 2D Video Graphic Adapter with PCIe bus interface
- 1920x1200@60Hz 32bpp, DDR4 SDRAM
-



For a quote & to purchase, please contact:
vmsales@velocitymicro.com / (804) 419-0900
Velocity Micro / 500 Southlake Blvd / Richmond, VA 23236

Expansion Slots

- 4 x PCIe x16 (Gen5 x16) FHFL slots, from CPU_0, for GPUs
- 4 x PCIe x16 (Gen5 x16) FHFL slots, from CPU_1, for GPUs
- 1 x PCIe x16 (Gen5 x16) FHFL slots, from CPU_0
- 1 x PCIe x16 (Gen5 x16) FHFL slots, from CPU_1
- 1 x PCIe x16 (Gen5 x16) low-profile slot on front side, from CPU_0
- 1 x PCIe x16 (Gen5 x16) low-profile slot on front side, from CPU_1
- - System is validated for population with a uniform GPU model
- - Support is not provided for mixed GPU populations
- 1 x M.2 slot:
 - - M-key
- - PCIe Gen3 x4, from CPU_10
- - Supports 2280/22110 cards

Internal I/O

- 2 x M.2 slot
- 2 x TPM header

Front I/O

- 2 x USB 3.2 Gen1
- 1 x VGA
- 2 x RJ45
- 1 x MLAN
- 1 x Power button with LED
- 1 x ID button with LED
- 1 x Reset button
- 1 x NMI button
- 1 x System status LED
- 1 x HDD access LED

Rear I/O

- N/A

TPM

- 1 x TPM header with SPI interface
- Optional TPM2.0 kit: CTM010

Power Supply

- 3+1 3000W (240V) 80 PLUS Titanium redundant power supplies

AC Input:

- - 100-127V~/ 15.5A, 50-60Hz
- - 200-220V~/ 15.5A, 50-60Hz
- - 220-240V~/ 15.5A, 50-60Hz

DC Input

- - 240Vdc/ 15.5A

DC Output:

- - Max 1000W/ 100-127V~
- + 12.2V/ 81A
- + 12Vsb/ 3A
- - Max 2600W/ 200-220V~
- + 12.2V/ 213A
- + 12Vsb/ 3A
- - Max 3000W/ 220-240V~
- + 12.2V/ 240A
- + 12Vsb/ 3A

NOTE: The system power supply requires C19 power cord

System Management

- Aspeed® AST2600 management controller
- GIGABYTE Management Console (AMI MegaRAC SP-X) web interface

Dashboard

- HTML5 KVM
- Sensor Monitor (Voltage, RPM, Temperature, CPU Status ...etc.)
- Sensor Reading History Data
- FRU Information
- SEL Log in Linear Storage / Circular Storage Policy
- Hardware Inventory
- Fan Profile
- System Firewall
- Power Consumption
- Power Control
- Advanced power capping
- LDAP / AD / RADIUS Support
- Backup & Restore Configuration
- Remote BIOS/BMC/CPLD Update
- Event Log Filter
- User Management
- Media Redirection Settings
- PAM Order Settings
- SSL Settings
- SMTP Settings

System Fans

- 6 x 60x60x38mm (23,000rpm)

Operating Properties

- Operating temperature: 10°C to 35°C
- Operating humidity: 8%-80% (non-condensing)
- Non-operating temperature: -40°C to 60°C
- Non-operating humidity: 20%-95% (non-condensing)

Packaging Dimensions

- 1200 x 800 x 444 mm w/ pallet

Packaging Content

- 1 x G480a
- 2 x Fansinks
- 1 x L-shape Rail kit