

14G1-RG-HCI

Flexible, Scalable, and Secure



AMD EPYC™ 9004 series processors, Max cTDP 400W

W13397

Features

- AMD EPYC™ 9004 series processors with AMD 3D V-Cache™
- Dual processor, 5nm technology
- 12-Channel RDIMM DDR5, 24 x DIMMs
- 2 x 10Gb/s BASE-T LAN ports
- 1 x Dedicated management port
- 1 x SlimSAS 4i with 4 x SATA 6Gb/s ports
- 2 x MCIO 8i with 4 x Gen5 NVMe or 16 x SATA ports
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 4 x PCIe Gen5 x16 expansion slots
- Aspeed® AST2600 remote management controller
- Supports 36 x 3.5" SAS/SATA with front/rear access of high-density storage server
- Supports MB size up to SSI EEB (12" x 13")
- High-speed Data Transmission (HDT): 12Gbps SAS expander IC on backplane.
- Supports two front access USB3.0 ports
- Optional rear-mounted OS drives tray: 2-bay 2.5" hot-swap HDD with 12Gbps backplane or 2 x 2.5" internal drive bay.
- Tool-less design of Top Cover, MB carrier, Slide Rail and HDD tray which supports easy maintenance
- Economic power-consumption cooling: 7 x 8038 hot-swap Fan, 7500RPM.
- High power efficiency: 1+1 CRPS 1200W 80 PLUS Platinum power supply.

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Features	Technical Specification
Dimensions	E-ATX Like (304.8W x 335.2D mm)
CPU	AMD EPYC™ 9004 series processors AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Dual processor, 5nm technology Up to 128-core, 256 threads per processor cTDP up to 400W
Socket	2 x LGA 6096, Socket SP5
Chipset	System on Chip
Memory	12-Channel DDR5 memory, 24 x DIMM slots RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz
LAN	2 x 10Gb/s BASE-T LAN ports (1 x Broadcom® BCM57416) 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
Storage	1 x SlimSAS 4i with 4 x SATA 6Gb/s ports 2 x MCIO 8i with 4 x Gen5 NVMe or 16 x SATA ports
Expansion Slots	4 x PCIe x16 (Gen5 x16) slots 1 x M.2 slot: M-key, PCIe Gen4 x4, supports 2280/22110 cards
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Rear I/O	2 x USB 3.2 Gen1, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN
Internal I/O	2 x MCIO 8i connectors, 1 x M.2 slots, 2 x CPU fan headers, 4 x System fan headers, 1 x USB 3.2 Gen1 header, 1 x TPM header, 1 x Front panel header, 1 x HDD back plane board header, 1 x PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper, 1 x Buzzer
OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP4 (x64) Ubuntu 20.04.5 LTS / 22.04 LTS /22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 Citrix Hypervisor 8.2.1
Board Management	Aspeed® AST2600 management controller Vantageo Management Console (AMI MegaRAC SP-X)
PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 2 x 6-pin ATX 12V power connector
Operating Properties	Operating temperature: 10°C to 40°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
MB Form Factor	SSI EEB (12" x 13")
Dimension (D x W x H)	699.0 x 432.0 x 176.0 (mm), 27.52" x 17.01" x 6.93"
Drive Bay	36 x 3.5" Hot-swap, 2 x 2.5" Hot-swap or 2 x 2.5" Internal (Rear, Option)
Storage Backplane	1 x 24-port 12Gbps Active Backplane + 1 x 12-port 12Gbps Active Backplane + 1 x 2-port 12Gbps Passive Backplane (Rear, Option)
PSU Form Factor	1+1 CRPS
Indicator	1 x Power Status, 1 x HDD Activity, 2 x LAN Activity, 1 x System Alarm
Front Control	1 x Power On/Off, 1 x Alarm Mute, 1 x System Reset, 2 x USB3.0
Cooling Fan	Middle: 7 x 80 mm (T=38 mm), PWM, Hot-swap, 7500RPM
System Security	Intrusion Switch
Expansion Slot	7 x Low Profile
Net Weight	26.7 kg/58.91 lb
Gross Weight	31.9 kg/70.31 lb
Cubic Feet	8.53
Container Loading	20' :105 , 40':215 , 40'H : 258 (Single + Pallet)

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