

GAI-ERSR-70B

GenAI single 4th/5th Generation Intel® Xeon® Scalable Processor with Intel® C741 Chipset, 1300W, 5x RJ-45, IPMI2.0 Workstation



Product Features

- 19" 4U Chassis
- 1 x 1300W PS2 ATX PSU
- 1 x Intel® Xeon® Silver 4514 or Above
- 6 x DDR5 4800 96GB RDIMM 288pin 0~85C (Total 576 GB)
- 1 x Intel I210AT 1GbE controller
- 1 x Intel X550AT2 10GbE controller supports 2 x 10GbE Ethernet ports
- Ubuntu 22.04 LTS
- 430mm(W) x 174.8mm(H) x 528mm(D)
- 1 x M.2 2280 NVMe SSD 4TB 3D TLC
- Intel® C741 Chipset
- IPMI 2.0 with AST 2600 BMC controller onboard
- 1 x Intel I226-LM 2.5GbE controller
- 4 x NVIDIA RTX 4000 Ada 20GB/130W

Specification

System Information	
Processor	1 x Intel® Xeon® Silver 4514 or Above
Platform Controller Hub	Intel® C741 Chipset
System Memory	6 x DDR5 4800 96GB RDIMM 288pin 0~85C (Total 576 GB)
BIOS	AMI UEFI BIOS
Watchdog Timer	System reset event 0 ~ 6553 seconds
H/W Status Monitor	CPU temperature Fan speed and voltage monitoring Fan speed control Case open detection
TPM	TPM 2.0 onboard
IPMI	IPMI 2.0 with AST 2600 BMC controller onboard
SBC	HPM-ERSUA

Front I/O

Power Button	1 x Power button
Reset Button	1 x Reset button
LED Indicator	1 x Power status indicator 1 x Disk activity indicator(On Storage kit) 1 x Network activity indicator

Rear I/O

USB	4 x USB 3.2 Gen1 ports 2 x USB 2.0 type A ports
COM Port	1 x RS232 port
VGA	1 x VGA port
RJ-45	5 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shares with IPMI access LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE

Display

Graphic Chipset	AST 2600 BMC controller
Resolution	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp

Power Requirement

Power Supply Unit	1 x 1300W PS2 ATX PSU
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Expansion

Expansion	4 x PCIe Gen5 x16 slots and 3 x PCIe Gen5 x4 slots Slot 1, PCIe 5.0 x16 Slot 2, PCIe 5.0 x4 Slot 3, PCIe 5.0 x16 Slot 4, PCIe 5.0 x4 Slot 5, PCIe 5.0 x16 Slot 6, PCIe 5.0 x4 Slot 7, PCIe 5.0 x16 (Slot 7 is the slot closest to CPU)
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Storage

M.2	1 x M.2 2280 NVMe SSD 4TB 3D TLC for OS
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Ethernet

LAN Chipset	1 x Intel I210AT 1GbE controller 1 x Intel I226-LM 2.5GbE controller 1 x Intel X550AT2 10GbE controller supports 2 x 10GbE Ethernet ports
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LAN Port	5 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shares with IPMI access LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE
Mechanical & Environmental	
Operating Temp.	0 to 35°C (L10, 4 x GPU RTX 4000 Ada)
Storage Temp.	-40°C 24hrs IEC60068-2-1 Cold test Test: Ab 70°C/ RH95% 24hrs IEC 60068-2-3 Test: Ca
Operating Humidity	35°C @95% Relative Humidity, Non-condensing
Weight	22KG
Dimension (W x L x D)	19" 4U Chassis 430mm(W) x 174.8mm(H) x 528mm(D) 482.6mm(W) x 174.8mm(H) x 528mm(D) with ear mount
Software Support	
OS	Ubuntu 22.04 LTS
Ordering Information	
Ordering Information	GAI-ERS70R-B1R L10 19" 4U w/1x4514Y/6x96G/4x4000 ada