

HPM-GNRUA

Single Intel®Xeon® 6 Processor ATX Server Board and IPMI2.0. Processor supports up to 350W TDP



Product Features

- Intel LGA4710 Socket supports Intel® Xeon® 6 6500P & 6700P series Processor (Max. TDP at 350W)
- TPM 2.0 onboard
- 1 x Intel I210AT 1GbE controller
- 5 x SATA III(1 x MiniSAS HD 4i (for 4x SATA Only) & 1 x 7 pin SATA connector)
- 2 x USB 3.2 Gen1 ports at Edge I/O
- 12" x9.6" (304.8mm x 243.84mm), PCB thickness is 2.59 mm
- 8 x DDR5 6400 MHz RDIMM & 8000 MHz MRDIMM up to 2TB
- IPMI 2.0 with AST 2600 BMC controller onboard.
- 1 x Intel E610-XAT2 10GbE controller supports 2 x 10GbE Ethernet ports
- 1 x RS232 port
- 2 x M.2 M-Key slots PCIe 5.0 x4 NVMe SSD 2260/2280/22110 form factor

Specification

System Information	
Processor	Intel LGA4710 Socket supports Intel® Xeon® 6 6500P & 6700P series Processor (Max. TDP at 350W)
System Memory	8 x DDR5 6400 MHz RDIMM & 8000 MHz MRDIMM Up to 2TB
Watchdog Timer	System reset event 0 ~ 6553 seconds
BIOS	AMI UEFI BIOS
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

Rear I/O

USB	2 x USB 3.2 Gen1 ports
COM Port	1 x RS232 port
RJ-45	4 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shared with IPMI access LAN2 and 3 ports for 10GbE
VGA	1 x VGA port

Display

Graphic Chipset	AST2600 BMC controller
Resolution	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp

Expansion

Expansion	4 x PCIe Gen5 x16 slots Slot 1, PCIe Gen5 x16 Slot 2, NA Slot 3, PCIe Gen5 x16 Slot 4, NA Slot 5, PCIe Gen5 x16 Slot 6, NA Slot 7, PCIe Gen5 x16(This Slot is closest to the CPU)
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Storage

M.2	2 x M.2 M-Key slots to support 1 x PCIe 5.0 x4 NVMe SSD from 1st CPU 2260/2280/22110 form factor
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I/O

USB	4 x Internal USB 3.2 Gen1 ports
SATA	5 x SATA III (1 x Mini-SAS HD 4i (for 4 xSATA only) & 1 x 7pin SATA connector)
Serial	1 x Internal RS232 port
Other	1 x Slim SAS 4i (SFF-8654) connector
CMOS Battery	1 x Horizontal Socket Type CMOS Battery Holder with CR2450

Ethernet

LAN Chipset	1 x Intel I210AT 1GbE controller 1 x Intel E610-XAT2 10GbE controller supports 2 x 10GbE Ethernet ports
LAN Port	4 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shared with IPMI access LAN2 and 3 ports for 10GbE

Mechanical & Environmental

Operating Temp. 0 ~ 55°C (32 ~ 131°F)to support up to 350W TDP CPU
0 ~ 55°C (32 ~ 131°F)to support up to 270W TDP CPU

Storage Temp. -40 °C to 85 °C

Operating Humidity 40°C 95% non-condensing

Dimension (L x W) 12" x9.6" (304.8mm x 243.84mm) , PCB thickness is 2.59mm

Software Support

OS Windows 11 SAC and LTSC
Windows Server 2025
Ubuntu 24.04
Red Hat Enterprise Linux (RHEL) 8.0 or above

Ordering Information

Ordering Information HPM-GNRUAA-A1R
ATX 1xLGA4710 Intel Xeon6/E610
8xDDR5/4xPCIex16/2x10GbE/1x1GbE/6xUSB3/5xSATA3
HPM-GNRUAL-A1R
ATX 1xLGA4710 Intel Xeon6/
8xDDR5/4xPCIex16/1x1GbE/6xUSB3/5xSATA3