



HPM-621UA

Intel® single 1st and 2nd Gen. Xeon® Scalable processor ATX Server Board with Intel® C621 Chipset and IPMI2.0

Processor supports up to 150W TDP

- > > Intel FCLGA3647 Sockets supports 1st and 2nd Gen. Intel Xeon Scalable Processors (Max. TDP at 150W)
- > Intel C621 Chipset
- > 6 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/ LRDIMM Up to 768GB
- > TPM 2.0 onboard
- > IPMI 2.0 with AST 2500 BMC controller onboard.
- > 4 x Intel I210AT Giga-bit Ethernet
- > 9 x SATA III Support RAID 0,1,5,10
- > 2 x internal RS232 ports
- > 4 x USB 3.2 Gen1 ports at Edge I/O
- > 2 x internal USB 2.0 Ports
- > 2 x internal USB 3.2 Gen1 Ports
- > 1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280 form factor
- > 12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.0r

+ Spec

System Information

Processor	Intel FCLGA3647 socket supports 1st and 2nd Gen. Intel Xeon Scalable Processors (Max. TDP at 150W)
Platform Controller Hub	Intel C621 Chipset
System Memory	6 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/ LRDIMM up to 768GB
BIOS Information	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, and Case Open detection
TPM	TPM 2.0 onboard
iAMT	IPMI 2.0 with AST 2500 BMC controller onboard

-Rear I/O-

USB Port	4 x USB 3.2 Gen1 ports
RJ-45	4 x RJ45 (LAN1 share IPMI port)

-Display-

Graphic Chipset	AST 2500 BMC controller
Resolution	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp

Expansion

Expansion	3 x PCIe x16 slots or 6 x PCIe x8 slots Slot 1, PCI 3.0 Slot 2, PCIe 3.0 x8 Slot 3, PCIe 3.0 x16 (x16 will switch to x8 automatically when Slot 2 is used) Slot 4, PCIe 3.0 x8 Slot 5, PCIe 3.0 x16 (x16 will switch to x8 automatically when Slot 4 is used) Slot 6, PCIe 3.0 x8 Slot 7, PCIe 3.0 x16 (Slot 7 is the slot closest to CPU, x16 will switch to x8 automatically when Slot 6 is used)
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Storage

M.2	1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280 form factor
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I/O

USB Port	2 x internal USB 2.0 Ports 2 x internal USB 3.2 Gen1 Ports
SATA	9 x SATA III Support RAID 0,1,5,10
Serial	2 x internal RS232 ports
VGA	1 x internal VGA port
CMOS Battery	1 x Horizontal Socket Type CMOS Battery Holder with CR2450

Ethernet

LAN Chipset	4 x Intel I210AT Giga-bit Ethernet
LAN Port	4 x RJ45 (LAN1 Share IPMI Port)

Mechanical & Environmental

Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 85°C
Operating Humidity	40°C @95% Relative Humidity, Non-condensing
Weight	0.97Kg
Power Connector	1 x Std. 24 Pin ATX connector 1 x 8 Pin SSI 12V connector
Dimension (L x W)	12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.0mm.

Software Support

OS Information	Windows 10 IOT Enterprise Windows Server 2016 Windows Server 2019
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Ordering Information

Ordering Information	HPM-621UAA-A1R ATX 1xLGA3647 Intel 1st/2nd Gen. C621 w/6xDDR4/3xPCIe x16/4x1GbE/6xUSB3.2/9xSATA3.0
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