



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