



## 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	
<b>Processor</b>	Intel FCLGA3647 socket supports 1st and 2nd Gen. Intel Xeon Scalable Processors (Max. TDP at 150W)
<b>Platform Controller Hub</b>	Intel C621 Chipset
<b>System Memory</b>	6 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/ LRDIMM up to 768GB
<b>BIOS Information</b>	AMI UEFI BIOS
<b>Watchdog Timer</b>	System Reset Event. 0 ~ 6553 seconds
<b>H/W Status Monitor</b>	CPU temperature, Fan speed and voltage monitoring, Fan speed control, and Case Open detection
<b>TPM</b>	TPM 2.0 onboard
<b>iAMT</b>	IPMI 2.0 with AST 2500 BMC controller onboard
-Rear I/O-	
<b>USB Port</b>	4 x USB 3.2 Gen1 ports
<b>RJ-45</b>	4 x RJ45 (LAN1 share IPMI port)
-Display-	
<b>Graphic Chipset</b>	AST 2500 BMC controller
<b>Resolution</b>	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp
Expansion	
<b>Expansion</b>	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	
<b>M.2</b>	1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280 form factor
I/O	
<b>USB Port</b>	2 x internal USB 2.0 Ports 2 x internal USB 3.2 Gen1 Ports
<b>SATA</b>	9 x SATA III Support RAID 0,1,5,10
<b>Serial</b>	2 x internal RS232 ports
<b>VGA</b>	1 x internal VGA port
<b>CMOS Battery</b>	1 x Horizontal Socket Type CMOS Battery Holder with CR2450
Ethernet	
<b>LAN Chipset</b>	4 x Intel I210AT Giga-bit Ethernet
<b>LAN Port</b>	4 x RJ45 (LAN1 Share IPMI Port)
Mechanical & Environmental	
<b>Operating Temperature</b>	0 ~ 60°C (32 ~ 140°F)
<b>Storage Temperature</b>	-40 ~ 85°C
<b>Operating Humidity</b>	40°C @95% Relative Humidity, Non-condensing
<b>Weight</b>	0.97Kg
<b>Power Connector</b>	1 x Std. 24 Pin ATX connector 1 x 8 Pin SSI 12V connector
<b>Dimension (L x W)</b>	12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.0mm.
Software Support	
<b>OS Information</b>	Windows 10 IOT Enterprise Windows Server 2016 Windows Server 2019
Ordering Information	
<b>Ordering Information</b>	HPM-621UAA-A1R ATX 1xLGA3647 Intel 1st/2nd Gen. C621 w/6xDDR4/3xPCIe x16/4x1GbE/6xUSB3.2/9xSATA3.0

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## Assured Systems

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660