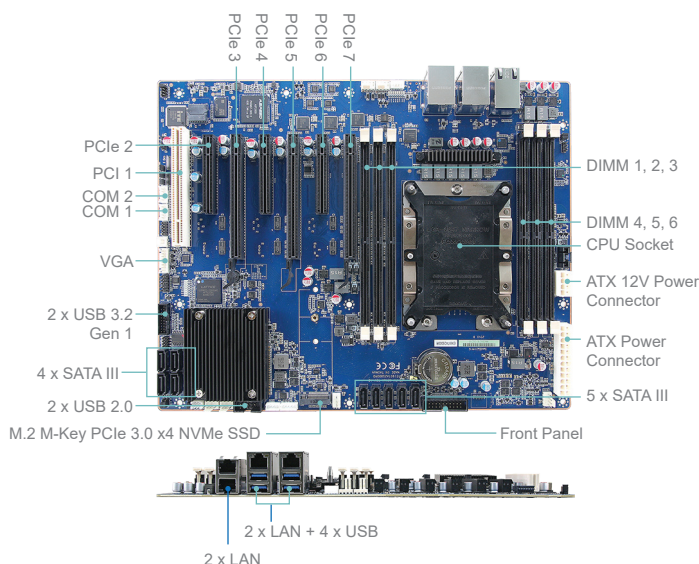


## Features

- Intel® FCLGA3647 socket supports 2nd Gen. Intel® Xeon® Scalable Processors up to 150W TDP
- Intel® C621 Chipset
- Supports 6 x DDR4 2933/2666/2400/2133 ECC RDIMM/LRDIMM up to 768GB
- IPMI 2.0 with AST 2500 BMC controller onboard
- 3 x PCIe 3.0 x16 slots or 6 x PCIe 3.0 x8 slots, 1 x PCI 3.0 slot
- 1 x M.2 Key-M PCIe 3.0 x4 NVMe SSD, 2242/2260/2280 form factor
- 9 x SATA III support RAID 0,1,5,10
- 4 x RJ45 (LAN1 share IPMI port), Intel® I210-AT
- TPM 2.0 Onboard



## Specifications

System	
CPU	Intel® FCLGA3647 socket supports 2nd Gen. Intel® Xeon® Scalable Processors / Intel® Xeon® Scalable Processors up to 150W TDP
System Chipset	Intel® C621 Chipset
System Memory	6 x DDR4 DIMM sockets support 2933/2666/2400/2133 ECC RDIMM/LRDIMM up to 768GB
BIOS	AMI UEFI BIOS
IPMI	IPMI 2.0 with AST 2500 BMC Controller Onboard
Expansion	3 x PCIe 3.0 x16 slots or 6 x PCIe 3.0 x8 slots Slot 1, for PCI 3.0 slot Slot 2, PCIe 3.0 x8 Slot 3, PCIe 3.0 x16 (x16 will switch to x8 when Slot 2 is used) Slot 4, PCIe 3.0 x8 Slot 5, PCIe 3.0 x16 (x16 will switch to x8 when Slot 4 is used) Slot 6, PCIe 3.0 x8 Slot 7, PCIe 3.0 x16 (x16 will switch to x8 when Slot 6 is used) 1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280
TPM	Onboard TPM 2.0
Watchdog Timer	System reset event. 0-6553 second.
Supported OS	Windows 10 IOT Enterprise, Windows server 2016, Windows server 2019
Display	
Graphics Engine	AST 2500 BMC Controller
Resolution	VGA: 1920 x 1200 @ 60Hz 32bpp
External I/O	
USB	4 x USB 3.2 Gen 1
LAN	4 x RJ45 (LAN 1 port shared with IPMI 2.0)
Internal I/O	
USB	2 x USB 2.0, 2 x USB 3.2 Gen 1
COM	2 x RS-232
SATA	9 x SATA III
VGA	VGA connector from BMC output

### Ethernet

Chipset	4 x Intel® I210-AT Gigabit Ethernet Controller
LAN	4 x RJ45 (LAN 1 port shared with IPMI 2.0)

### Power Requirement

Power Requirement	1 x Std. 24 pin ATX Connector 1 x 8 Pin SSI 12V Connectors
ACPI	Yes
Power Type	ATX Mode

### Mechanical & Environment

Operating Temp	0 ~ 60°C (32 ~ 140°F)
Storage Temp	-40 °C to 85 °C (-40 ~ 185°F)
Operating Humidity	40% ~ 95% relative humidity, non-condensing
Form Factor	ATX
Dimensions	12" x 9.6" (304.8 x 243.84mm)
Weight	2.14 lbs (0.97 kg)

### Ordering Info

HPM-621UA	Intel C621 ATX Motherboard supports 2nd Gen. Intel Xeon Processor. 1 x I/O Shield
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\* All product specifications and images are subject to change without notice. Last update: 2021/12/21