



HPM-621DE

Intel® dual 2nd Gen. Xeon® Scalable Processors
EATX Server Board With Intel® C621 Chipset,
IPMI2.0

- > Supports dual 2nd Gen. Intel® Xeon® Scalable Processors up to 150W TDP
- > Intel® C621 Chipset
- > 12 x DDR4 2933/ 2666/ 2400/ 2133 ECC RDIMM/ LRDIMM up to 768GB
- > 4 x PCIe x16 Slots, 2 x PCIe x8 Slots
- > 1 x PCI 3.0 Slot
- > 1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/ 2260/ 2280 Form Factor
- > 10 x SATA III Supports Up to 6.0 Gb/s; RAID 0,1,5,10
- > 4 x Intel I210AT (LAN1 Port Shared with IPMI 2.0)
- > TPM 2.0 Onboard
- > IPMI 2.0 with AST 2500 BMC Controller Onboard

+ Spec

System	
Processor	Dual Socket P (LGA 3647) support dual 2nd Gen. Intel® Xeon® Scalable Processors up to 150W TDP
System Chipset	Intel® C621 Chipset
System Memory	12 x DDR4 2933/ 2666/ 2400/ 2133 ECC RDIMM/ LRDIMM Up to 768GB
BIOS	AMI uEFI BIOS
Watchdog Timer	System Reset Event. 0 ~ 6553 Seconds.
H/W Status Monitor	CPU Temperature and Voltage Monitoring, CPU Fan Speed Control, Case Open Detection
IPMI	IPMI 2.0 with AST 2500 BMC Controller Onboard.
TPM	Onboard TPM 2.0
Board	Extended ATX Board
Expansion	
Expansion	4 x PCIe x16 slots, 2 x PCIe x8 slots, 1 x PCI 3.0 slot Slot 1, PCIe 3.0 x16 from CPU1 Slot 2, PCI 3.0 Slot 3, PCIe 3.0 x16 from CPU1 Slot 4, PCIe 3.0 x16 from CPU2 Slot 5, PCIe 3.0 x16 from CPU2 Slot 6, PCIe 3.0 x8 from CPU1 Slot 7, PCIe 3.0 x8 from CPU1 (Slot 7 is the slot closest to CPU)
I/O	
CMOS Battery	1 x Horizontal Socket Type CMOS Battery Holder with CR2450
USB	2 x USB 2.0 Ports, 4 x USB 3.2 Gen1 Ports
SATA	10 x SATA III Support RAID 0,1,5,10
RS232	2 x RS232 ports
Other	4 x OcuLink Ports from CPU 2 for U.2 SSD 1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280 form factor
External I/O	
USB Port	4 x USB 3.2 Gen1 Ports
LAN Port	4 x RJ45 (LAN1 share IPMI port)
Display	
Chipset	AST 2500 BMC Controller
Resolution	VGA: 1920 x 1200 @ 60Hz 32bpp
Ethernet	
Chipset	4 x Intel® I210AT Giga-bit Ethernet
LAN Port	4 x RJ45 (LAN1 Share IPMI Port)
Mechanical & Environmental	
Power Requirement	1 x Std. 24 Pin ATX Connector 2 x 8 Pin SSI 12V Connectors
ACPI	Yes
RAID	Intel C621 software RAID 0,1,5,10
Power Type	ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 °C ~ 85 °C
Operating Humidity	40°C 95% non-condensing
Dimension (L x W)	12" x 13" (304.8mm x 330.2mm), PCB thickness is 2.0mm
Weight	1.8 kg
Software Support	
OS Information	Windows : Windows 10 IOT Enterprise, Windows Server 2016, Windows Server 2019