



HPM-246

Intel® 8/9th Gen. Core™
i7/i5/i3/Pentium®/Celeron®/Xeon® E Processor
ATX Motherboard With Intel® C246 Chipset(CPU
TDP support up to 95W TDP)

- > Intel® 8/9th Gen. Core™ i7/i5/i3/Pentium®/Celeron®/Xeon® E Processor ATX Motherboard With Intel® C246 Chipset(CPU TDP support up to 95W TDP)
- > 4 x 288-pin DDR4 2400/2666MHz DIMM supports up to 128GB (ECC memory supported by CPU)
- > 4 x SATA III, 6 x USB3.2 Gen1
- > 1 x PCIe Gen3 x16 slot, 1 x PCIe Gen2 x8 slot, 1 x PCIe Gen3 x4 slot, 1 x PCIe Gen3 x1 slot and 1 x PCI3.0 x1 slot
- > 2 x USB3.2 Gen 2
- > 7 x RJ-45 (LAN 1 port shared with IPMI 2.0), 3 x DP++
- > IPMI 2.0 with AST 2500 BMC controller onboard
- > ATX Power

+ Spec

System	
Processor	Intel® LGA1151 Socket Supports 8th/9th Generation Core™ i7/ i5/ i3 / Pentium®/Celeron®/ Xeon® E Process
System Chipset	ATX Motherboard With Intel® C246 Chipset
System Memory	4 x 288-pin DDR4 2666MHz DIMM supports up to 128GB (ECC memory supported by CPU)
I/O Chip	Nuvoton® NCT6106D
BIOS	AMI uEFI BIOS, 256Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 5~255 seconds/5~255 minutes
H/W Status Monitor	CPU temperature monitoring, Voltages monitoring, CPU fan speed control
IPMI	IPMI 2.0 with AST 2500 BMC controller onboard
TPM	Onboard Infineon SLB9665 supports TPM 2.0
Board	ATX Board
Expansion	
Expansion	1 x PCI 3.0 1 x PCIe Gen3 x 16 slot 1 x PCIe Gen2 x 8 slot 1 x PCIe Gen3 x 4 slot 1 x PCIe Gen3 x 1 slot
I/O	
USB	Internal 6 x USB 3.2 Gen1 External 2 x USB 3.2 Gen2
SATA	4 x SATA III
COM Port	2 x RS232
Display	
Chipset	Intel® 8th/9th Generation CPU integrated
Resolution	DP: 4096 x 2304 @ 60Hz HDMI: 4096 x 2160 @ 30Hz
Multiple Display	Triple Display
Digital Display Interface	3 x DP++
Audio	
Chipset	Realtek ALC892
Ethernet	
Chipset	7 x Intel®I210AT Giga-bit Ethernet
LAN Port	7 x RJ-45 (LAN 1 port shared with IPMI 2.0)
Mechanical & Environmental	
Power Requirement	+12V/+5V/5VSB/+3.3V/-12V
ACPI	Single power ATX Support S0, S5
Power Type	ATX
Operating Temperature	0~60°C (32~140°F) for M/B level
Storage Temperature	-25 ~ 70°C
Operating Humidity	40%~95% relative humidity, non-condensing
Dimension (L x W)	12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.0mm.
Weight	1.45lbs (0.7 kg)
Power Requirement	
Power Requirement	1 x Std. 24 pin ATX Connector 1 x 8 Pin SSI 12V Connector
ACPI	Support S0, S5

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 Ordering

HPM-246UAA-A1R

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HPM-246UAL-A1R

Lite version of HPM-246, support 3 LAN ports

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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