



HPM-246UA

Intel® 8/9th Gen. Core™
i7/i5/i3/Pentium®/Celeron®/Xeon® E processor
ATX Server Board with Intel® C246 chipset and
IPMI 2.0

Processor supports up to 95W TDP

- > Intel LGA1151 Socket supports 8th/9th Gen. Core i7/i5/i3/Pentium/Celeron/Xeon E Processors
- > Intel C246 Chipset
- > 4 x DDR4 2666MHz ECC and Non-ECC DIMM support up to 128GB (ECC memory supported by specific CPU SKUs)
- > TPM 2.0 onboard
- > IPMI 2.0 with AST 2500 BMC controller onboard
- > 7 x Intel I210AT Giga-bit Ethernet
- > 4 x SATA III
- > 2 x internal RS232 ports
- > 2 x USB 3.2 Gen2 ports at Edge I/O
- > 6 x internal USB 3.2 Gen1
- > 12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.0mm.

Spec

System Information	
Processor	Intel LGA1151 socket supports 8th/9th Gen. Core i7/i5/i3/Pentium/Celeron/Xeon E Processors(Max. TDP at 95W)
Platform Controller Hub	Intel C246 Chipset
System Memory	4 x DDR4 2666MHz ECC and Non-ECC DIMM support up to 128GB (ECC memory supported by specific CPU SKUs)
I/O Chipset	Nuvoton NCT6106D
BIOS Information	AMI UEFI BIOS
Watchdog Timer	System Reset Event. 5~255 seconds/5~255 minutes
HW 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	2 x USB 3.2 Gen2 ports
DP	3 x DP++ ports
RJ-45	7 x RJ45 (LAN1 Share IPMI Port)
-Display-	
Graphic Chipset	Intel 8th/9th Generation CPU integrated AST 2500 BMC controller
Resolution	3 x DP++ ports DP: 4096 x 2304 @ 60Hz HDMI : 4096 x 2160 @ 30Hz 1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp
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
Storage	
M.2	NA
I/O	
USB Port	6 x internal USB 3.2 Gen1 ports
SATA	4 x SATA III
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	7 x Intel I210AT Giga-bit Ethernet
LAN Port	7 x RJ45 (LAN1 Share IPMI Port)
Mechanical & Environmental	
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-25 ~ 70°C
Operating Humidity	40°C @95% Relative Humidity, Non-condensing
Weight	0.7Kg
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-246UAA-A1R
ATX LGA1151 Intel 8th/9th Gen. C246 w/4xDDR4/1xPClex16/7x1GbE/8xUSB3.2/4xSATA3.0
HPM-246UAL-A1R
ATX LGA1151 Intel 8th/9th Gen. C246 Lite version w/4xDDR4/1xPClex16/3x1GbE/8xUSB3.2/4xSATA3.0

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