

# HPMC-1000xx

## Captec MIL-STD High-Performance Fanless System



### Key Benefits

- ▼ 13/12<sup>th</sup> Gen Intel® Core™ i9/i7/i5/i3 Processor
- ▼ Intel® R680E PCH Supports 35W TDP CPU
- ▼ Rugged MIL-DTL-38999 Circular Connector
- ▼ 2 Front-Access 2.5" SSD/HDD Tray
- ▼ MIL-STD-810H, MIL-STD-461G
- ▼ DC 9V to 50V Power Input, AT Mode
- ▼ Operational Temperature -40°C to 65°C
- ▼ IP66 Rating



The HPMC-1000 is a high-performance, fanless system that has been designed to provide reliable operation in harsh, mission-critical environments.

This unit meets MIL-STD 810H standard for the overall ruggedness and features MIL-DTL-38999 connectors and IP66-rated protection. With an operational temperature range from -40°C to 65°C this unit delivers high reliability in any environment.



# Specifications

System	
<b>Processor</b>	24-core 13th Gen Intel® Core™ i9/i7/i5/i3 Processor (Raptor Lake-S) 16-core 12th Gen Intel® Core™ i9/i7/i5/i3 Processor (Alder Lake-S)
<b>Chipset</b>	Intel® R680E
<b>Graphics</b>	Intel® UHD Graphics 730/770 driven by Intel® Xe Architecture
<b>BIOS</b>	AMI
<b>SIO</b>	IT8786E
<b>Memory</b>	2 DDR4 3200MHz SO-DIMM, up to 64GB (ECC/Non-ECC)
<b>OS</b>	Windows 11, Windows 10, Linux

I/O Interfaces	
<b>Serial</b>	4 COM RS-232/422/485
<b>USB</b>	6 USB 2.0
<b>Display</b>	DVI-I : Up to 1920 x 1080 @60Hz

Storage	
<b>SATA</b>	2 SATA III (6Gbps) support software RAID 0, 1
<b>mSATA</b>	1 SATA III (Mini PCIe Type, 6Gbps)
<b>M.2</b>	1 M.2 Key M Socket (2280, PCIe x4)
<b>Storage Device</b>	2 Front-access 2.5" SSD/HDD Tray

Audio	
<b>Audio Codec</b>	Realtek® ALC888S-VD, 7.1 Channel HD
<b>Audio Interface</b>	1 Mic-in, 1 Line-out

Ethernet	
<b>LAN 1</b>	Intel® I219LM GigE LAN supports iAMT
<b>LAN 2</b>	Intel® I226 2.5GigE LAN supports TSN
<b>LAN 3</b>	Intel® I226 2.5GigE LAN supports TSN
<b>LAN 4</b>	Intel® I226 2.5GigE LAN supports TSN

Expansion	
<b>Mini PCIe</b>	1 Mini PCIe Socket for PCIe/USB/SIM Card/Optional mSATA *Optional customization by request 5G Module, 4G Module, WiFi
<b>M.2</b>	1 M.2 Key B Socket (3042/3052, SATA/USB 3, default/USB 2) 1 M.2 Key E Socket (2230, PCIe x2/USB) *Optional customization by request 5G Module, 4G Module, WiFi

Power	
<b>Power Input</b>	DC 9V to 50V, AT mode
<b>Power Interface</b>	4-pin MIL-DTL-38999 Connector

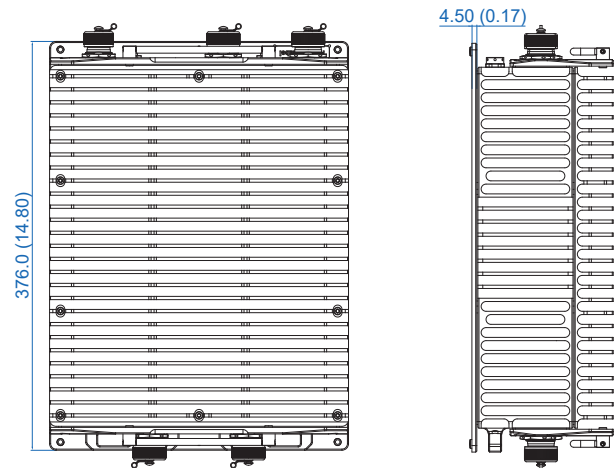
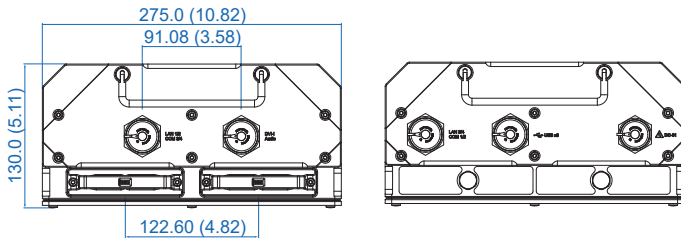
Others	
<b>TPM</b>	Infineon SLB9670 supports TPM 2.0, SPI Interface
<b>Watchdog Timer</b>	Reset : 1 to 255 sec./min. per step
<b>HW Monitor</b>	Monitoring Temperature, Voltages

Mechanical	
<b>Dimension</b>	276.0mm x 351.6mm x 130.0mm (10.86" x 13.84" x 5.11")
<b>Weight</b>	15.2 kg (33.5 lb)
<b>Mounting</b>	Wallmount by Mounting Bracket

Environment	
<b>Operating Temp.</b>	-40°C to 65°C (-40°F to 149°F) with air flow
<b>Storage Temp.</b>	-55°C to 85°C (-67°F to 185°F)
<b>Humidity</b>	5% to 95% Humidity, Non-Condensing
<b>Relative Humidity</b>	95% @65°C
<b>Shock/Vibration</b>	MIL-STD-810H
<b>EMC</b>	CE, FCC, MIL-STD-461G, EN50155

## Technical Details

Unit: mm (inch)



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