

HPMC-1000xx

Captec MIL-STD High-Performance Fanless System

Key Benefits

- ▶ 13/12th 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	
Processor	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)
Chipset	Intel® R680E
Graphics	Intel® UHD Graphics 730/770 driven by Intel® Xe Architecture
BIOS	AMI
SIO	IT8786E
Memory	2 DDR4 3200MHz SO-DIMM, up to 64GB (ECC/Non-ECC)
OS	Windows 11, Windows 10, Linux

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

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

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

Ethernet	
LAN 1	Intel® I219LM GigE LAN supports iAMT
LAN 2	Intel® I226 2.5GigE LAN supports TSN
LAN 3	Intel® I226 2.5GigE LAN supports TSN
LAN 4	Intel® I226 2.5GigE LAN supports TSN

Expansion	
Mini PCIe	1 Mini PCIe Socket for PCIe/USB/SIM Card/Optional mSATA *Optional customization by request 5G Module, 4G Module, WiFi & Bluetooth
M.2	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 & Bluetooth

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

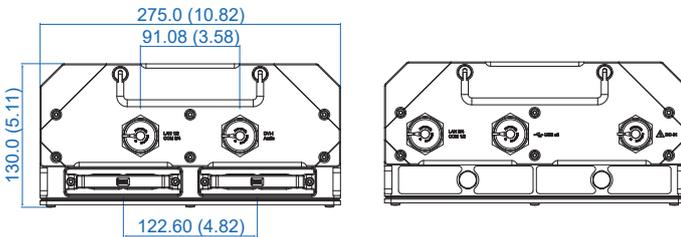
Others	
TPM	Infineon SLB9670 supports TPM 2.0, SPI Interface
Watchdog Timer	Reset : 1 to 255 sec./min. per step
HW Monitor	Monitoring Temperature, Voltages

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

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

Technical Details

Unit: mm (inch)



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