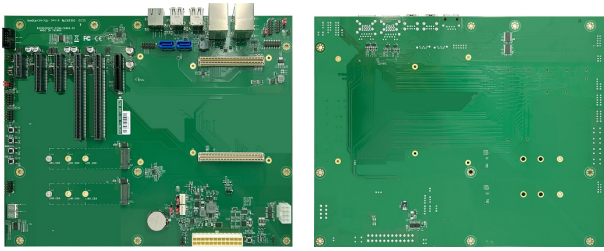


PCOM-C8800

COM-HPC Evaluation Carrier Board for COM-HPC Client Module for B8800



FEATURES

- COM-HPC carrier board support COM-HPC Client Type Size A/B/C modules
- ATX form factor provides extra expansion slots, and follows the standard space mounting
- Supports USB 3.2 Gen2, SATA, PCIe 4.0, 2.5G RJ45
- Support wide temperature from -40°C to 85°C
- Standard ATX PSU input
- Support 2x 25G KR signal



Portwell PCOM-C8800 supports the COM-HPC Client Type modules with ATX form factor. This carrier board passed Portwell evaluation testing. It supports I/O interfaces including PCIe, RJ45, USB 3.2, SATA, UART.

General

Product	PCOM-C8800
Form Factor	ATX (305mm x 244mm)
Supported Module	COM-HPC Client Type, Size A / B / C
General Function	RTC battery Postcode display BIOS SPI socket Power BTN / Reset BTN Lid BTN / Sleep BTN Rapid Shutdown BTN

I/O Interface

SATA	2 x SATA III	
USB	4x USB 3.2 Gen2 Type-A + 4x USB 2.0	
Ethernet	2x 2.5GbE RJ45; 2x 25GbE KR via PA-C3L adapter card	
PCI Express	2x PCIe 4.0 x16 2x PCIe 4.0 x4 2x M.2 M key 1x PCIe x1 (for BMC)	
Display	N/A	
Legacy I/O	eSPI	eSPI header
	GPIO	12x GPIO
	I ² C	2x I ² C header
	SMBus	1x SMBus header
	UART	1x UART header, 1x console
	GP SPI	1x GP SPI header
Others	Support BIOS disable switch; Support Clear CMOS header	

MECHANICAL & ENVIRONMENT

Dimension	ATX Form Factor 305mm x 244mm
Power DC IN	ATX 24 pin ATX 8 pin
Storage Temperature	-40°C to 85°C
Operation Temperature	-40°C to 85°C
Certification	TBD
MTBF	TBD
Vibration	TBD

ORDERING GUIDE

Product	Ordering P/N	Status
PCOM-C8800		In development
PA-C3L 25G LAN card		In development

BLOCK DIAGRAM

PCOM-C8800

COM-HPC® Client Carrier
ATX 305 x 244 mm

ATX power
connector

-40°C ~ +85°C
(Select SKUs)

