PCOM-C609

Giga LAN | 10 GbE

USB 3.0 | GPIO

Watch DOG | SATA 3.0

PCOM-C609 is Portwell's first carrier board designed to support 10 Gigabit Ethernet function. Specifically, PCOM-C609 is a microATX form factor carrier board supporting 10GbE, USB 3.0, PCIe, HDMI, VGA, SATA and TPM interfaces. PCOM-C609 is designed with COM Express Type VI row connectors, and is suitable for evaluation and testing with Portwell's Type VI COM Express modules.

Portwell offers carrier boards in various form factors supporting customers to develop new platforms for both board and system-level applications. Portwell can also provide COM Express carrier board design guide for customer's own carrier board development.

FEATURES

- COM Express carrier board for Portwell's Type VI COM Express module product series
- Based on microATX form factor to meet the requirements for most standard mounting spaces
- Provide more expansion and display capabilities for COM Express module
- Support 2x 10 Gigabit Ethernet and 1x Gigabit Ethernet

ORDERING GUIDE

Contact Us	PCOM-C609. microATX Form Factor COM Express Carrier Board For Type VI COM Express Module

GENERAL

COM Express Module	Portwell Type VI COM Express Module (PCOM-B634VG)
BIOS	(BIOS on COM Express module)
Storage Devices	Four SATA ports
Watchdog Timer	Programmable via software from 1 sec. to 255 min.
Expansion Interface	- One PCIe x16 slot - Two PCIe x4 slots

I/O INTERFACE

I/O	- Two RS-232 ports - One TPM header - One GPIO header - One I2C header - One SMbus header - One UART header
Ethernet	- Two 10 GbE Fiber Ethernet ports - One GbE port
USB	- Four USB 3.0 ports - Two USB 2.0 ports through pin-header

DISPLAY

Graphic Controller	Depending on selected COM Express module
Graphic Memory	Depending on selected COM Express module
Display Interface	Support VGA port, HDMI port

Mechanical & Environment

Dimension	- 243.8(L) x 243.8(W) mm; 9.6"(L) x 9.6"(W)
Power Supply	- 24-pin ATX
Environment	- Operating Temperature: 0~60°C - Storage Temperature: -20~80°C - Relative Humidity: 5% to 90%, non-condensing