



Portwell's PCOM-C640 is a Nano-ITX form factor carrier board supporting triple display, Gigabit Ethernet, Audio, USB 3.0 and SATA. PCOM-C640 is designed with COM Express Type VI row connectors, and is suitable for evaluation and testing with Portwell's Type VI COM Express modules for 1U rackmount server systems.

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 Nano-ITX form factor to meet the requirements for most standard mounting spaces
- Provide more expansion and display capabilities for COM Express module
- Support multiple I/Os, DisplayPort, RJ45, USB 2.0 and USB 3.0
- Support wide-range operating temperature: -40°C~80°C

ORDERING GUIDE

Contact Us	PCOM-C640. Nano-ITX Form Factor COM Express Carrier Board for Type VI COM Express Module
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GENERAL

COM Express Module	Portwell Type VI COM Express Module (PCOM-B636VG)
BIOS	(BIOS on COM Express module)
Storage Devices	Two SATA ports
Watchdog Timer	Programmable via software from 1 sec. to 255 min.
Expansion Interface	- One mSATA socket - One SD card socket

I/O INTERFACE

I/O	- One RS-232/422/485 header - One Audio header - One GPIO header
Ethernet	Two GbE ports
Audio	High Definition Audio (line-out)
USB	- Two 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 DisplayPort, pin-header for VGA and LVDS interface

Mechanical & Environment

Dimension	- 120(L) x 120(W)mm; 4.72"(L) x 4.72"(W)
Power Supply	- DC 12V input
Environment	- Operating temperature: -40~80°C - Storage temperature: -40~80°C - Relative humidity : 5~95%, non-condensing

