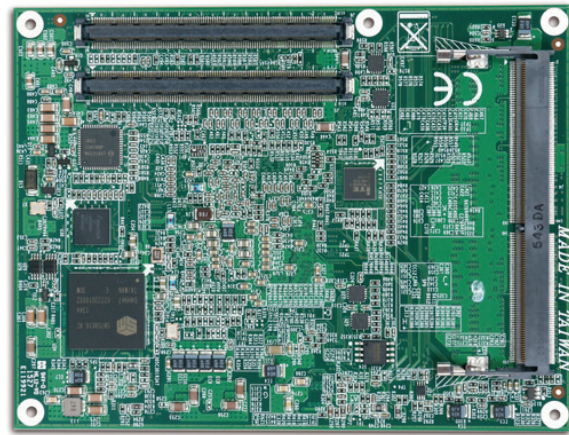


PCOM-B634VG

Intel® new gen. Xeon® Processor D based Type VI COM Express 2.0 module with DDR4 ECC SDRAM on three SO-DIMM slots, VGA, 10 Gigabit Ethernet, SATA and USB 3.0



Portwell PCOM-B634VG is designed with Intel® new XEON® Processor D with 16 CPU cores, 10GbE Ethernet KR/KX4 interface and DDR4 ECC SO-DIMM support provides high CPU computing, excellent Ethernet performance. PCIe Gen3 ports in PCOM-B634VG can support high speed IO card for more applications. In addton, VGA and legacy interface support for easy upgrade.

FEATURES

- Intel® new Gen. Xeon Processor D on 14nm process
- Support DDR4-2400 ECC/non-ECC SDRAM on three SO-DIMM slots up to 48GB
- One VGA and HDMI, 10GbE interface
- Support 7 USB 2.0, 4 USB 3.0, 4 SATA Gen 3.0, 8 PCIe x1 Gen 2.0 and 1 PCIe x16 Gen 3.0

ORDERING GUIDE

TBD	PCOM-B634VG TYPE VI. Basic Form Factor COM Express Module. Broadwell-DE/ PCH
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GENERAL

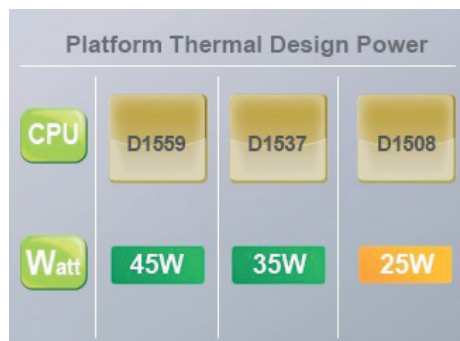
Form Factor	-Type 6, Basic Form Factor COM Express
Processor	- Intel® new Xeon® Processor D series up to 16 cores - Wide temperature support (optional via Xeon D-1559 or Pentium D-1519 CPU)
Chipset	- SoC
Memory	- Support up to 48GB DDR4-2400 ECC/non-ECC SDRAM - Three SO-DIMM slots
BIOS	- AMI Aptio
Ethernet	- Intel® Ethernet Controller I210IT - Support two 10GbE XGMII
PCI Express	- 8 x PCI Express Gen2 x1, 1 x PCI Express Gen3 x16
Expansion Interface	- SPI, SMBUS, GPIO, I2C, UART, TPM
SATA	- 4 x SATA 6.0Gb/s
USB Port	- 7 x USB 2.0, 4 x USB 3.0
Watchdog Timer	- Programmable via S/W from 1 sec to 255 min
Hardware Monitoring	- ITE 8528 ; CPU, Voltage , Temperature
Connector	- COM Express Connector x2
Audio	- Intel® High Definition Audio (2x channels delivering 192-KHz 32-bits, and 8x channels delivering 96-KHz 32-Bits)
Board Size	- 125x95mm
Environment	- Operation Temperature: 0°C~60°C (optional -40°C~85°C) - Relative Humidity: 5~95%

DISPLAY

Display	- Support VGA, 2 x LVDS/ eDP
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American Portwell
(Fremont, California)

Tel: +1-510-403-3399
Fax: +1-510-403-3184
E-mail: info@portwell.com
http: //www.portwell.com



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