

# PCOM-B633VG

Intel® 5th Generation Core™ i7/i5/i3 processor ULT based on TyepVI Compact-COM Express 2.0 module with DDR3L SDRAM on SO-DIMM slot, VGA, LVDS, Display-port, Gigabit Ethernet, PCIE, SATA and USB



Portwell PCOM-B633VG is designed by Intel® 5<sup>th</sup> Generation Core™ i7/i5/i3 ultra low power processor with turbo-boost, SOL, IDER, iAMT 10.0 remote control which offer high speed and accurate responses suitable for medical healthcare systems and military seeker.

## FEATURES

- Intel® 5th Generation Core™ i7, i5 and i3 Processors ULT
- Support DDR3L-1600/1333 SDRAM on SO-DIMM slot, up to 16GB
- Support DDR3L memory-down, up to 4GB(Optional)
- Support VGA, LVDS and Display-port interface
- Support USB 2.0/ 3.0, SATA, 4 PCIE x1 and 1 PCIEx4
- Support TPM 1.2/I2C/Smart Battery function

## ORDERING GUIDE

TBD	PCOM-B633VG.TYPE VI. Compact COM Express Module. Broadwell ULT
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## GENERAL

Processor	- Intel® 5th Generation Core™ i7, i5, i3 and Celeron Processors ULT - Support Intel Turbo Boost, vPro, Hyper-Threading, Virtualization, Trusted Execution, and SpeedStep Technology
BIOS	- AMI Aptio BIOS - Support UEFI 4.0, ACPI 3.0, SMBIOS 2.7 Compatibility Support Module
Storage Devices	- 4x SATA ports up to 6.0 Gb/s - Intel® Rapid Storage Technique for PCIe Storage
Watchdog Timer	- Programmable via S/W from 1 sec to 255min
Ethernet	- Intel® I218M Gigabit LAN x 1
Audio	- Intel® High Definition Audio
Expansion Interface	- 1x PCI Express x4 up to Gen2 (5.0 GT/s) - 4x PCI Express x1 up to Gen2 (5.0 GT/s)(Optional) - 2x USB 3.0 ports (5 Gbps) - 8x USB 2.0 ports (480 Mbps)
Hardware Monitors	- ITE8528 CPU, Voltage and Temperature
Power Requirement	- Typical: 12V, 5VSB, VBAT - Support AT and ATX mode
Dimension	95mm(L) x 95mm(W), 3.7"(L) x3.7"(W), PCB: 14 layers
Environment	- Operation Temperature: -0~60°C - Storage Temperature: -20~80°C - Relative Humidity: 5~90%"

## DISPLAY

Graphic Controller	Intel® HD Graphics, Support OpenGL* 4.2, DirectX* 11.1 and OpenCL 2.0
Graphic Memory	Dynamic share system memory up to 1GB of 2GB system memory
Display Interface	Support Display Port, VGA, and LVDS interfaces with 3 Independent Display, 4K" (38x21) High Resolution Capable (DP/eDP* @ 60Hz).



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