

# PCOM-B641VG

Portwell PCOM-B641VG is designed with Intel® Atom™ Processor E3900 Series ultra low power processor with higher memory performance and advance graphic controller for Automation, Healthcare and Thin Client Systems.



PCOM-B641VG, a Type 6 COM Express Compact (95mm x 95mm) module based on the 14nm Intel® Atom™ processor E3900 product family (6W~12W). The compact PCOM-B641VG COM Express module supports up to 32GB DDR3L 1600/1866 MT/s SDRAM on two 204-pin SODIMM sockets, making it faster than its predecessor.

## FEATURES

- Intel® Atom™ Processor E3900 Series ultra low power processor
- Support up to 32GB DDR3L 1600/1866 MT/s SDRAM on two 204-pin SODIMM sockets
- Support VGA, LVDS and DisplayPort interface
- Support USB 2.0/ 3.0, SATA, 4x PCIe x1 or 1x PCIe x4
- Support eMMC storage
- Support wide temp, -40°C to 85°C
- Support I2C/smart battery function

## ORDERING GUIDE

**AB1-3E08Z** PCOM-B641VG.TYPE VI.Apollo-Lake.Compact Form Factor.Com Express Module.Non-ECC.DDR3L

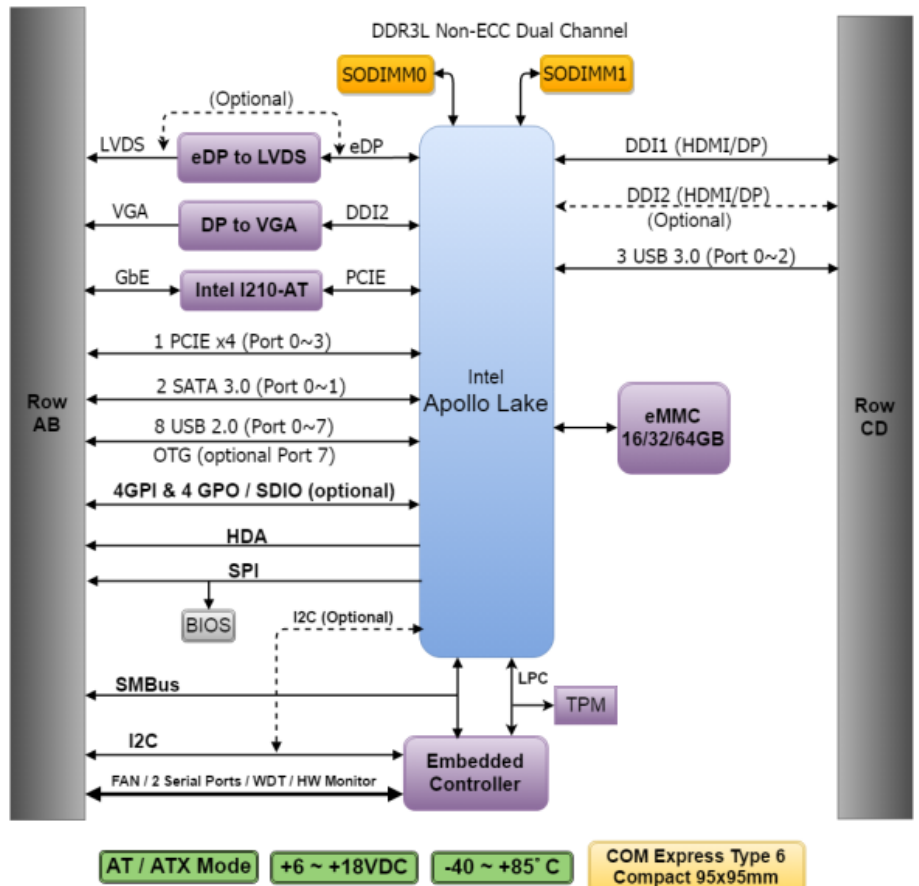
## GENERAL

Form Factor (mm)	Compact Form Factor COM Express (95x95mm)
Type	Type 6
CPU/Clock/Cache	Intel® Atom™ X5-E3930 Processor Intel® Atom™ X5-E3940 Processor Intel® Atom™ X7-E3950 Processor
Chipset	SoC
Memory	Support up to 32GB DDR3L 1600/1866 MT/s SDRAM on two 204-pin SODIMM sockets
USB	8x 2.0 3x 3.0
PCI Express	1x PCIe x4 or 4x PCIe x1
Ethernet	Intel® Ethernet Controller I210IT

## I/O INTERFACE

Audio	Intel® High Definition Audio
Graphic Controller	Intel® HD Graphics 505
Carrier Board	Portwell PCOM-C605
Extended Temperature	Support -40°C~85°C

## PCOM-B641VG



AT / ATX Mode    +6 ~ +18VDC    -40 ~ +85° C    COM Express Type 6 Compact 95x95mm

