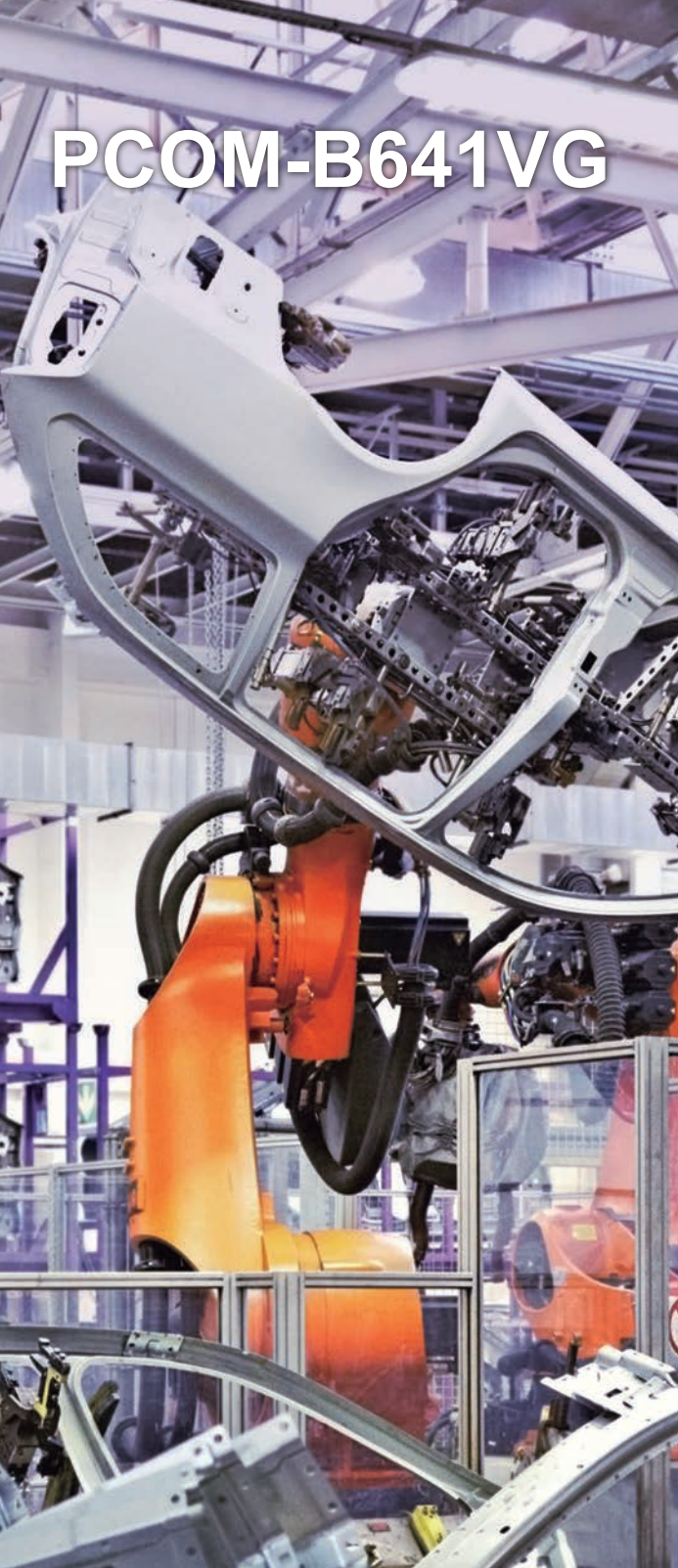


PCOM-B641VG



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



Intel® Atom™ E3900 Series Processor based on Type VI COM Express module with DDR3L SDRAM, VGA, LVDS, Gigabit Ethernet, SATA 3.0, USB3.0, TPM, and eMMC

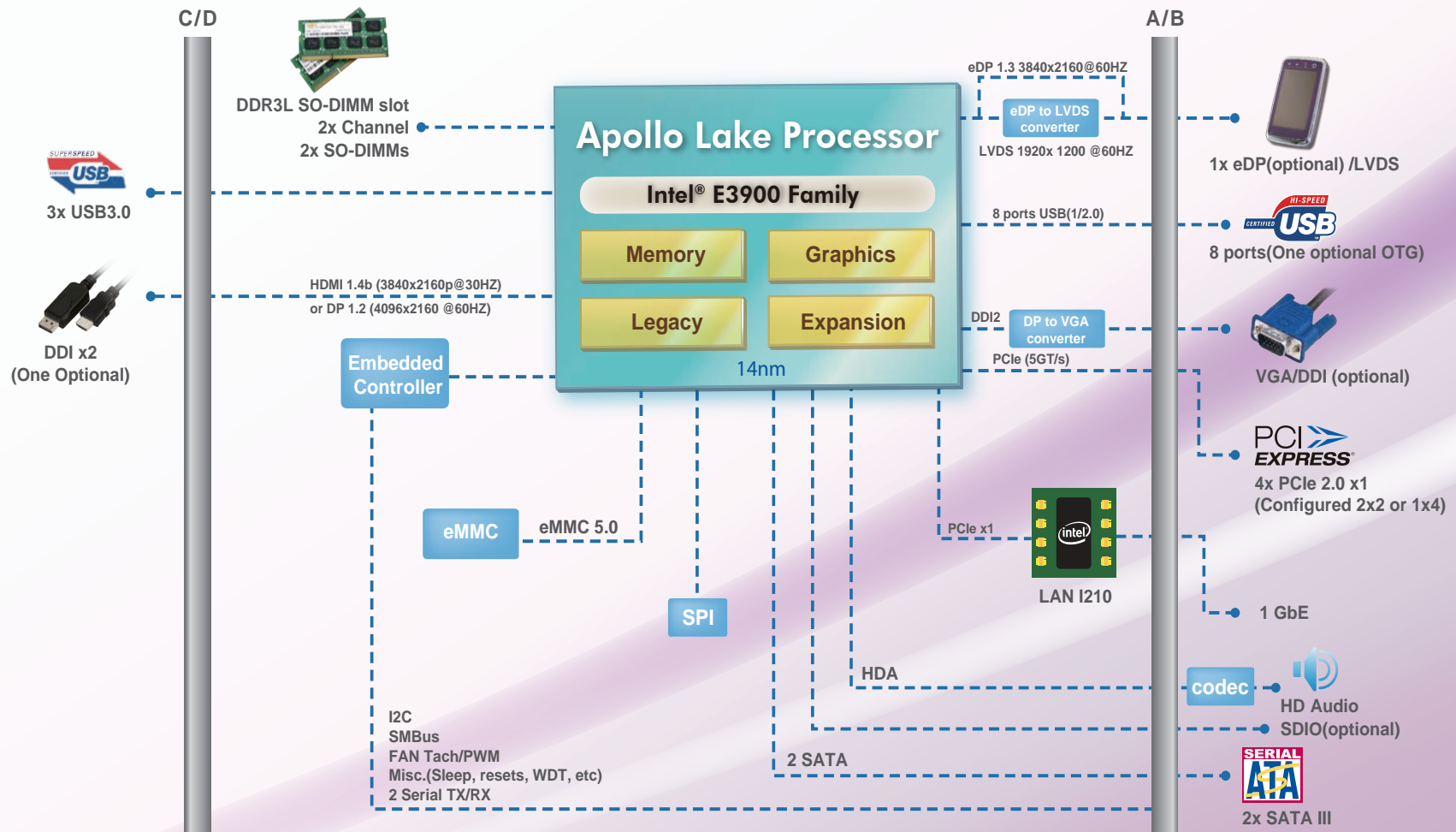
PCOM-B641VG, a Type 6 COM Express® Compact (95mm x 95mm) module based on the 14nm Intel® Atom™ processor E3900 product family (6W~12W). The compact PCOM-B641VG COM Express module supports up to 16GB DDR3L 1600/1866 MT/s SDRAM on two 204-pin SODIMM sockets, making it faster than its predecessor.

FEATURES

- Intel® Atom™ E3900 Series ultra low power processor
- Support up to 16GB DDR3L 1600/1866 MT/s SDRAM on two 204-pin SODIMM sockets
- Support VGA, LVDS and Display-port interface
- Support USB 2.0/3.0, 2x SATA III, 4x PCIe 2.0 x1 or 1x PCIe 2.0 x4
- Support eMMC storage, and I2C/Smart Battery function
- Support -40°C to +85°C wide temperature

ORDERING GUIDE

AB1-3E08Z	(R).PCOM-B641VG.TYPE VI.Apollo-Lake.Compact Form Factor.Com Express Module.Non-ECC.DDR3L
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Processor Core

- ◆ Intel® Atom™-X5-E3930
- ◆ Intel® Atom™-X5-E3940
- ◆ Intel® Atom™-X7-E3950

Highlights

- ◆ Wide-Temp Support
- ◆ On Board eMMC Support
- ◆ TPM Support

Memory

- ◆ DDR3L x2 SO-DIMMs
- ◆ 2 Channels
- ◆ Up to 16GB

Platform Thermal Design Power

	X5-E3930	X5-E3940	X7-E3950
CPU	X5-E3930	X5-E3940	X7-E3950
Core Frequency	2 1.8Ghz	4 1.8Ghz	4 2.0Ghz
Watt	6W	9W	12W