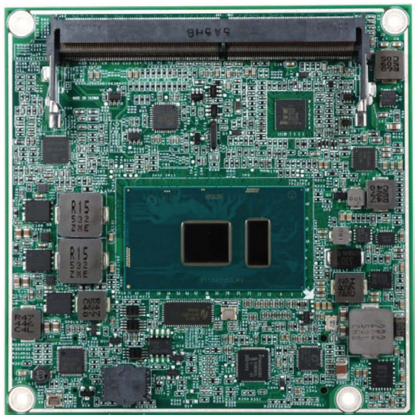
PCOM-B644VG

Intel® Kaby Lake-U Core™ i7/i5/i3 processor based on Type VI Compact-COM Express 2.0 module with DDR4 SDRAM on SO-DIMM slots, VGA, LVDS, Display-port, Gigabit Ethernet, PCIE, SATA, USB, and OTG



PCOM-B644VG brings three important factors, DDR4 memory support, Gen3 PCIe support, and 30% faster graphic performance. The Gen3 PCIe support provides faster PCIe speed so that the performance of PCIe expansion card will be better. It is crucial for Networking and Medical related applications. The enhanced graphic performance brings 4K support. The OTG support gives customer more flexibilities on developing new applications in different usages.

FEATURES

- Kaby Lake-U is the 7th Generation Intel® CoreTM Processor with 14nm and brand new architecture provide more performance
- Seek for low profile solution but with high performance and low power
- Support faster I/O interfaces on Five PCI Express Gen3 lanes (four x 1 can be configured to one x4 lane)

ORDERING GUIDE

TBD	PCOM-B644VG.TYPE VI.Skylake-U.Compact Form Factor.Com Express Module.DDR4

GENERAL

Form Factor (mm)	Compact (95 x 95mm)
Type	Type 6
CPU/Clock/Cache	Intel® 7th Genera. on Core™ ULT CPU
Chipset	SoC
Memory	DDR4-2133MT/s Non-ECC 2 Memory Channel
USB	3 x USB 3.0 7 x USB 2.0 1 x USB 3.0 / USB 2.0 / OTG
PCI Express	1 x PCIe x4 (PEG) 1 x PCIe x1 1 x PCIe x4 / 4 x PCIe x1
Ethernet	Intel® I219LM

I/O INTERFACE

Audio	IIntel® High definition Audio
Graphic Controller	Intel® HD Graphics 620
Carrier Board	PCOM-C605 (Type 6)
Extend Temperature Support	0~60'C support