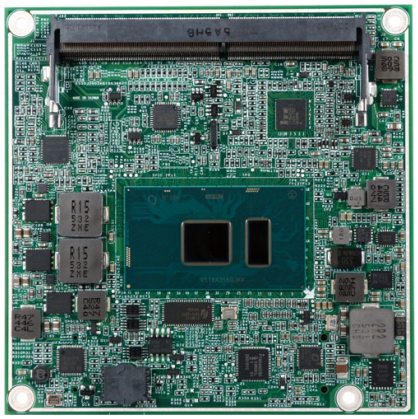
PCOM-B638VG

Intel® Kabylake-U/Skylake-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-B638VG 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

- Kabylake-U / Skylake-U is the 7th / 6th 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

AB1-3G88	PCOM-B638VG-7600U.TYPE VI.Skylake-U.Compact Form
AB1-3G86	PCOM-B638VG-7100U.TYPE VI.Skylake-U.Compact Form
AB1-3E39	PCOM-B638VG-6600U.TYPE VI.Skylake-U.Compact Form Factor.Com Express Module.DDR4
AB1-3E77	PCOM-B638VG-3955U.TYPE VI.Skylake-U.Compact Form
AB1-3G87	PCOM-B638VG-7300U.TYPE VI.Skylake-U.Compact Form
AB1-3E38	PCOM-B638VG-6300U.TYPE VI.Skylake-U.Compact Form Factor.Com Express Module.DDR4
AB1-3E32	PCOM-B638VG-6100U.TYPE VI.Skylake-U.Compact Form Factor.Com Express Module.DDR4
AB1-3G85	PCOM-B638VG-3965U.TYPE VI.Skylake-U.Compact Form

GENERAL

Form Factor (mm)	Compact (95 x 95mm)
Type	Type 6
CPU/Clock/Cache	Intel® Kabylake/ Skylake Core™ ULT Celeron 3955U/ i3-6100U/ i5-6300U/ i7-6600U/ Celeron 3965U/ i3-7100U/ i5-7300U/ i7-7600U Up to 2 CPU Cores Smart Cache 2MB to 4MB
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/ 610/ 520/ 510
Carrier Board	PCOM-C605 (Type 6)
Extend Temperature Support	0~60'C support