

# PCOM-B638VG

Comparing to the previous generation, the Skylake-U can provide not only flexible performance power with efficient energy usage and real time CPU computing, but also more powerful and longer battery life. The enhanced Graphic performance and High Speed I/O can give customers better PCIe and SATA speed. The DDR4 support brings more performance too



Intel® Skylake-U Core™ i7/i5/i3 processor based on Type VI Compact COM Express® module with DDR4 SDRAM on SO-DIMM slot, VGA, LVDS, Display-port, Gigabit Ethernet, PCIe, SATA, USB, OTG



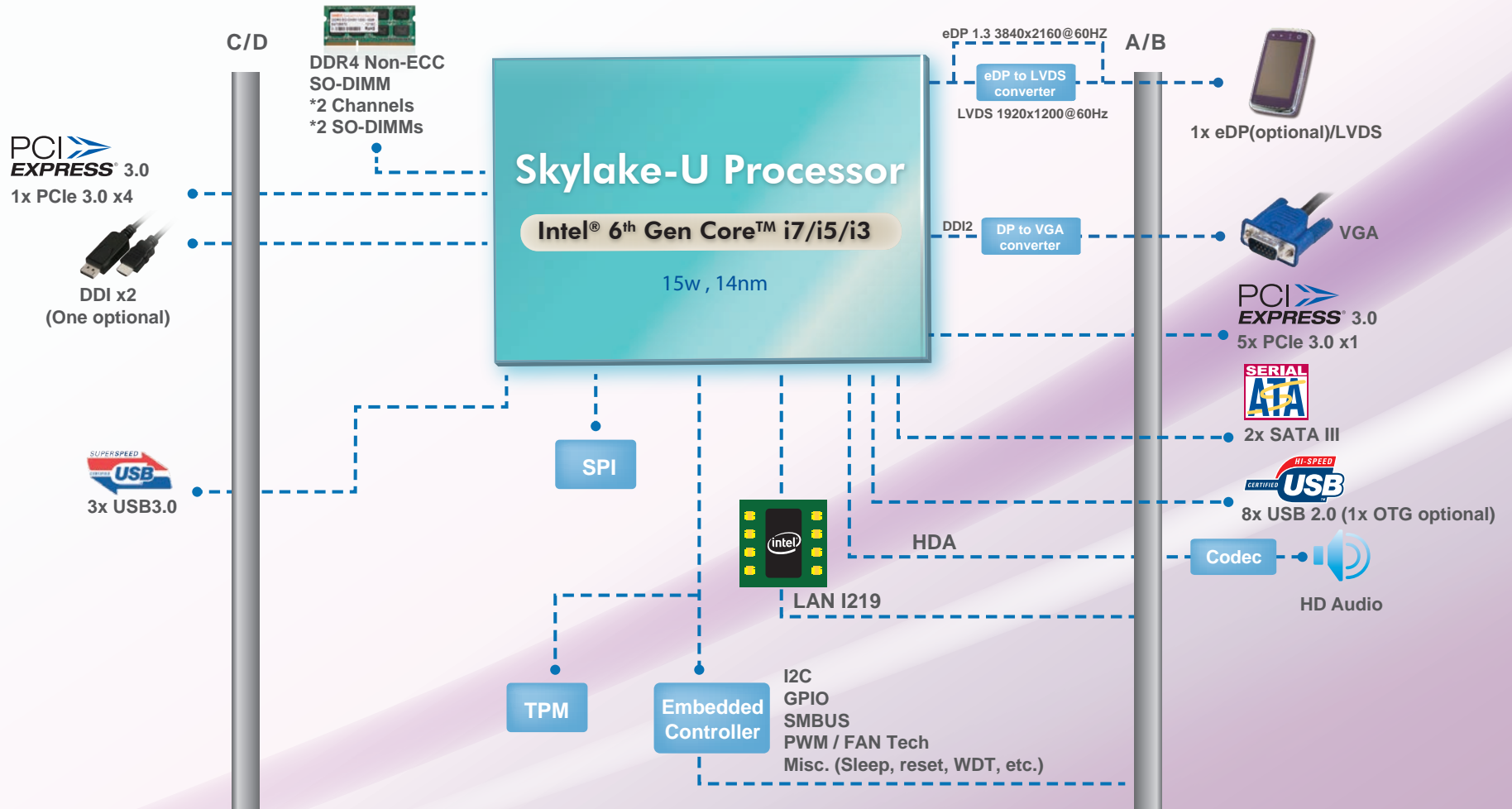
PCOM-B638VG brings three important factors, DDR4 memory support, Gen3 PCIe support, and good graphic performance. Gen3 PCIe provides fast speed and enable your PCIe expansion card consequently even better performance. It is suitable for Networking and Medical related applications. The enhanced graphic performance brings 4K support. The OTG gives customer more flexibilities on developing new applications in different usages

## FEATURES

- Intel® 6<sup>th</sup> Generation Skylake-U series Core™ i7, i5 and i3 15W Processors
- Two SO-DIMM slots, up to 32GB
- Support DDR4-2133 MT/s Non-ECC SDRAM on one SO-DIMM slots, up to 16GB
- One VGA, two DDI(One default optional) and LVDS
- Support USB 2.0/3.0, SATA, 5 PCIe x1 and 1 PCIe x4
- Wide voltage support, from 6V to 18V

## ORDERING GUIDE

AB1-3E39Z	(R).PCOM-B638VG-6600U
AB1-3E38Z	(R).PCOM-B638VG-6300U
AB1-3E32Z	(R).PCOM-B638VG-6100U



### Processor Core

- ◆ Skylake-U is the 6<sup>th</sup> Generation Intel® Core Processor with 14nm
- ◆ Turbo mode
- ◆ SMT: 2~4 threads/core

### Highlights

- ◆ DDR 4 memory support
- ◆ Gen 3 PCIe support
- ◆ OTG support

### Memory

- ◆ DDR4 2133 MT/s
- ◆ 2 Channels
- ◆ up to 32GB in 2 SO-DIMM

### Platform Thermal Design Power

<b>CPU</b>	i7-6600U	i5-6300U	i3-6100U
<b>Watt</b>	15W	15W	15W