

PCOM-B637VG

The desktop CPU SKU on module is a brand new idea which has never been seen in the market. It's perfect for 1U network system. High-end server can handle more business and information. Multiple-Processors, Hardware-base Raid & Remote control functions are always in high-end server



Intel Skylake/Kabylake-S Core i3/ i5/ i7 processor based on Type VI COM ExpressR module with DDR4 SDRAM, VGA, eDP, Gigabit Ethernet, SATA 3.0 and USB



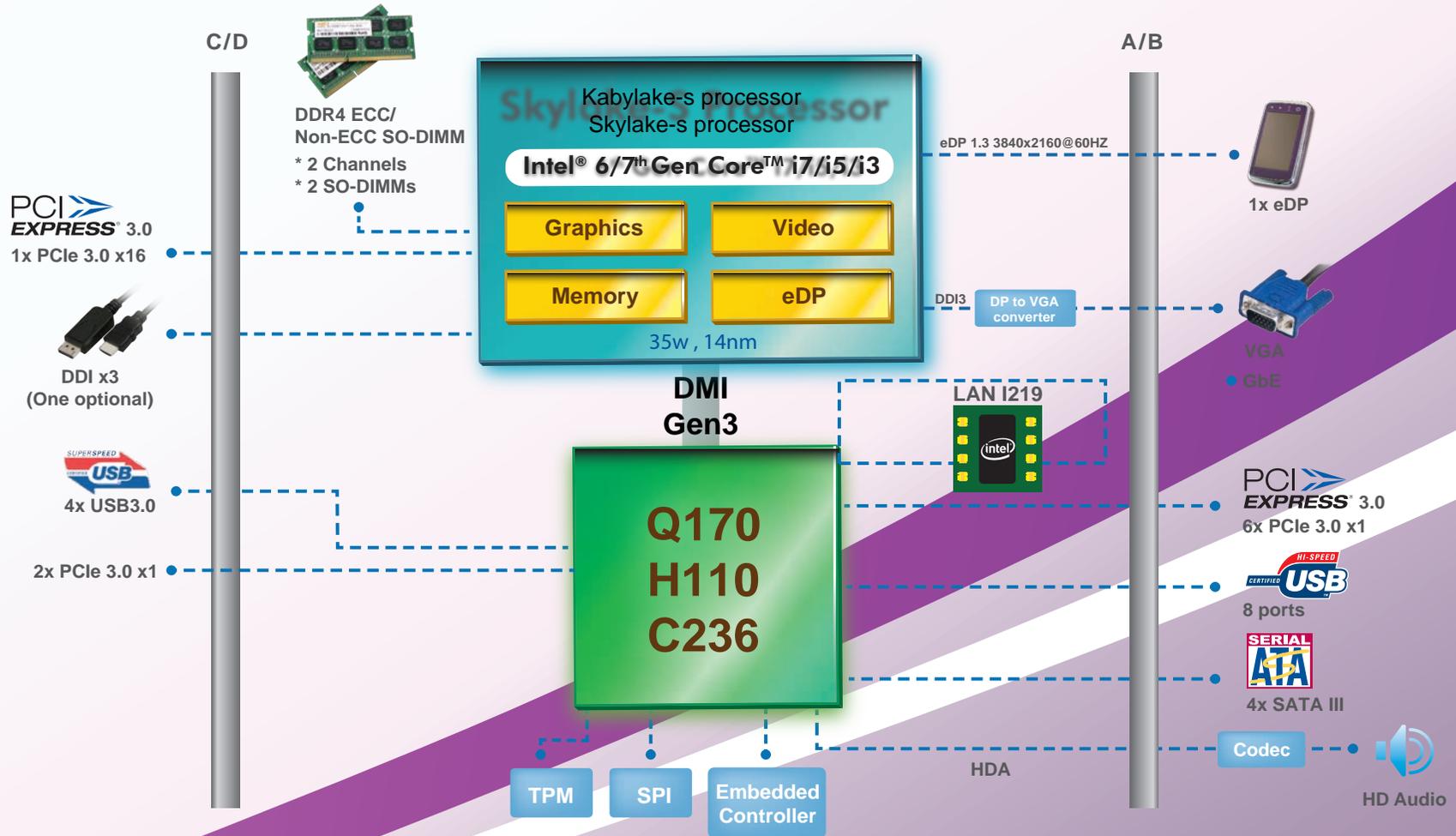
PCOM-B637VG brings three important factors, DDR4 memory support, Gen 3 PCIe support, and good graphic performance. The DDR4 is trend and it supports both ECC and Non-ECC with the same pin definition. In other words, customer can use both ECC and Non-ECC memories depending their application and demand. In order to achieve that, all the PCH SKUs are considered in development stage to make sure that customer has various models to meet different requirements in cost, performance, and memory type. 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.

FEATURES

- Intel® 6th/7th Generation Skylake//Kabylake-S series Core™ i7, i5 and i3 35W Processors
- Support DDR4-2133 MT/s ECC/Non-ECC SDRAM on two SO-DIMM slots, up to 32GB
- One VGA, three Displayport
- Support USB 2.0/3.0, SATA III, 7x PCIe 3.0 x1 and 1x PCIe 3.0 x16
- Wide voltage support, from 6V to 18V

ORDERING GUIDE

AB1-3E37	(R).PCOM-B637VG-Q170
AB1-3E34	(R).PCOM-B637VG-H110
AB1-3E36	(R).PCOM-B637VG-C236



Processor Core

- ◆ Skylake/Kabylake-S is the 6/7th Generation Intel® Core™ Processor with 14nm
- ◆ Turbo mode
- ◆ SMT: 4~8 threads/core

Highlights

- ◆ DDR 4 memory support
- ◆ Gen 3 PCIe support 1x16, 2x8, 1x4 configuration

Memory

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

Platform Thermal Design Power

CPU	i3/i5/i7 35W	i3/i5/i7 35W	i3/i5/i7 35W
PCH	C236 5.8W	Q170 5.8W	H110 5.8W
Watt	40.8W	40.8W	40.8W