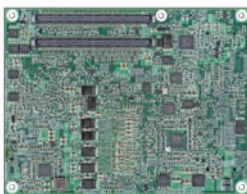


PCOM-B639VG



Data protection is more and more important in real world since big data rising. Portwell adopts new Intel® platform to provide highest secure logic. It helps customer earn trust and business by securing important information anytime. The new generation of CPU and DDR4 support give customer higher performance and computing power



Intel® Skylake-H Core™ i7/i5/i3 processor based on Type VI COM Express® module with DDR4 SDRAM, VGA, LVDS, Gigabit Ethernet, SATA 3.0 and USB

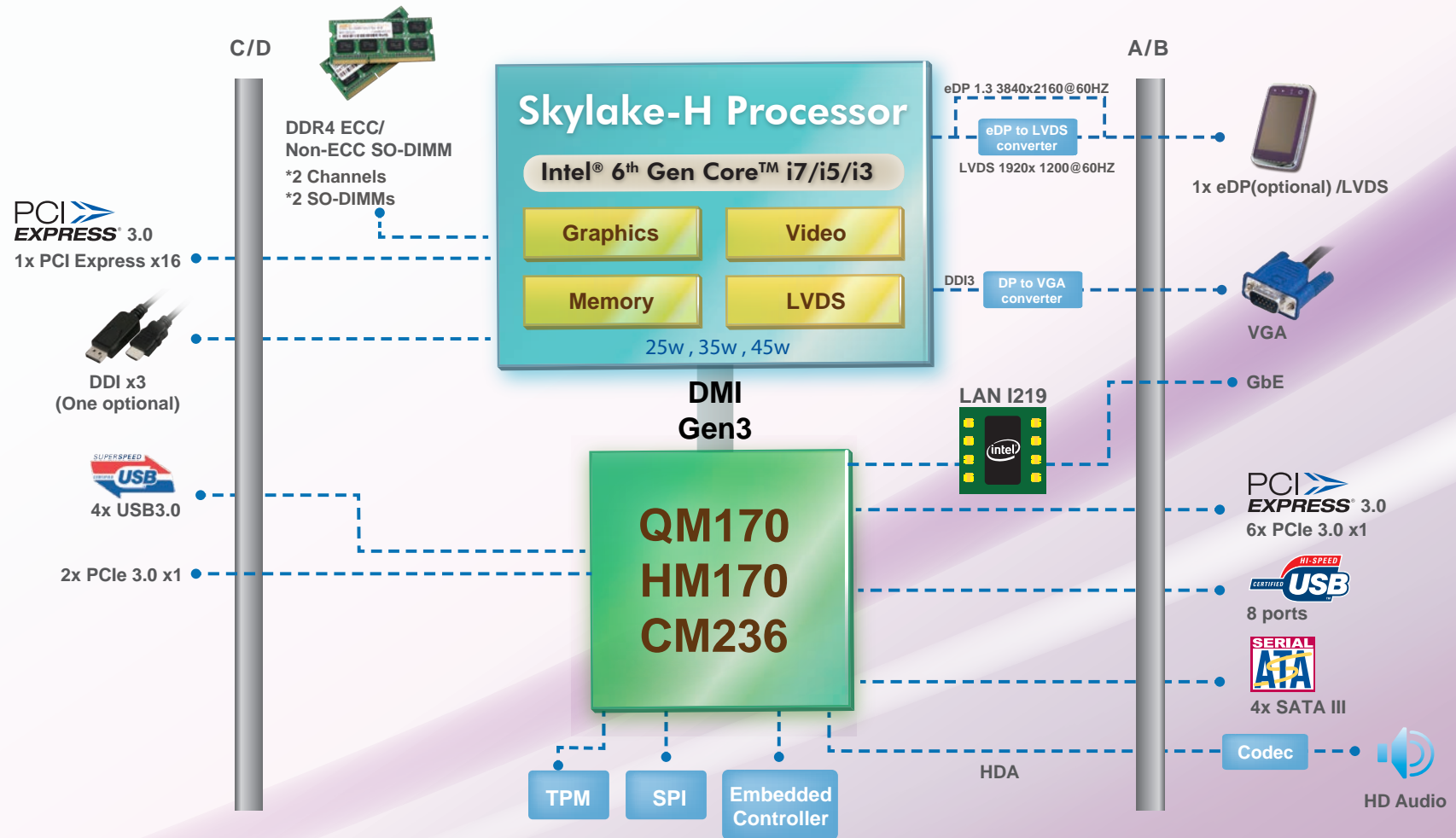
PCOM-B639VG brings three important factors, DDR4 memory support, Gen 3 PCIe support, and good graphic performance. The DDR4 is trend and it supports both ECC and Non-ECC with the same pin definition. In other words, customer can use both ECC and Non-ECC memories depending their application and demand. 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 Generation Core™ Skylake-H i7, i5 and i3 Processors
- Support DDR4-2133MT/s ECC/Non-ECC SDRAM on two SO-DIMM slots, up to 32GB
- One VGA, three DDI(One default optional) and one embedded Display port
- Support USB 2.0/3.0, SATA, 8 PCIe x1 and 1 PCIe x16
- Wide voltage support, from 6V to 18V

ORDERING GUIDE

AB1-3E31Z	(R).PCOM-B639VG-6820EQ
AB1-3E30Z	(R).PCOM-B639VG-6822EQ
AB1-3E29Z	(R).PCOM-B639VG-6440EQ
AB1-3E28Z	(R).PCOM-B639VG-6442EQ
AB1-3E27Z	(R).PCOM-B639VG-6100E
AB1-3E26Z	(R).PCOM-B639VG-6102E
AB1-3E25Z	(R).PCOM-B639VG-G3900E
AB1-3E35Z	(R).PCOM-B639VG-G3902E



Processor Core

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

Highlights

- ◆ DDR 4 memory support
- ◆ Gen 3 PCIe support 1x 16, 2 x8, 1x4 configuration

Memory

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

Platform Thermal Design Power

CPU	i7-25/35/45W	i5-25/35/45W	i3-25/35W
PCH	QM170 5.8W	QM170 5.8W	QM170 5.8W
Watt	50.8W / 50.8W / 40.8W		