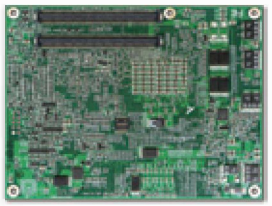
PCOM-B639VG

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



6th Generation Intel® Core™ 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, DDR 4 memory support, Gen 3 PCIe support, and 30% faster 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. The Gen 3 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.

FEATURES

- Skylake-H is the 6th Generation Intel® Core™ Processor with 14nm and brand new architecture provide more performance.
- Seek mobile solution but with high performance and medium TDP
- Support faster I/O interfaces on eight PCI Express Gen3 lanes (four x 1 can be configured to on x4 lane)

ORDERING GUIDE

Contact us	PCOM-B639VG.TYPE VI.Skylake-H.Basic Form Factor.Com Express Module.ECC/Non-ECC.DDR4

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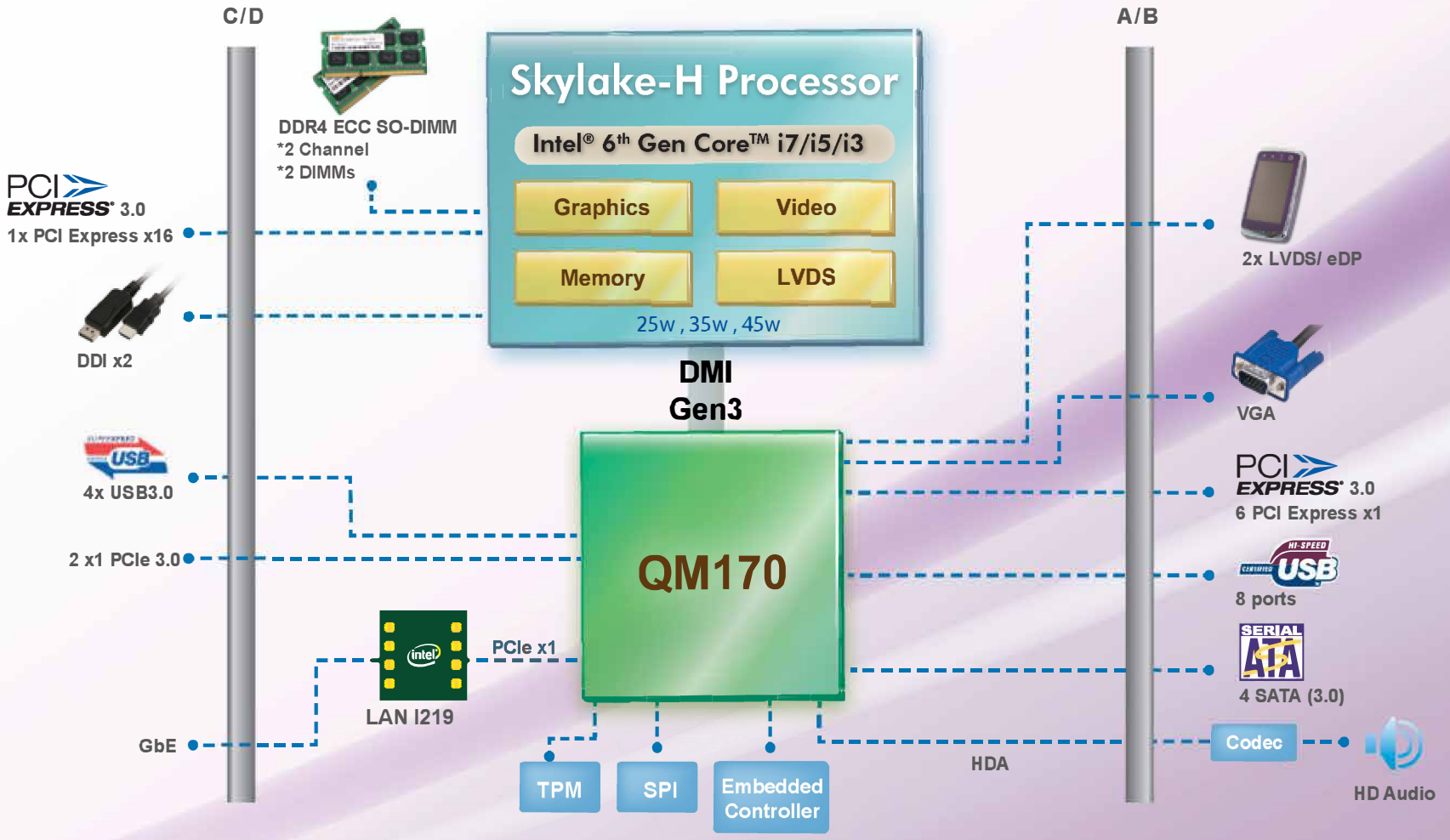

Processor Core

- 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
- 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	30.8W / 40.8W / 50.8W		