



# PCOM- B217VG

Medical devices are crucial services offered in prevention, diagnosis, treatment and rehabilitation of illness and disease. The devices are also crucial during development due to the considerable investments, high maintenance cost, and patient safety involved therein. Portwell is ISO 13485 certified and can offer you reliable production environments for medical systems.



Intel® Sandy Bridge Mobile based Type VI COM Express with DDR3 SDRAM, VGA, LVDS, Gigabit Ethernet, 6Gbps SATA and USB

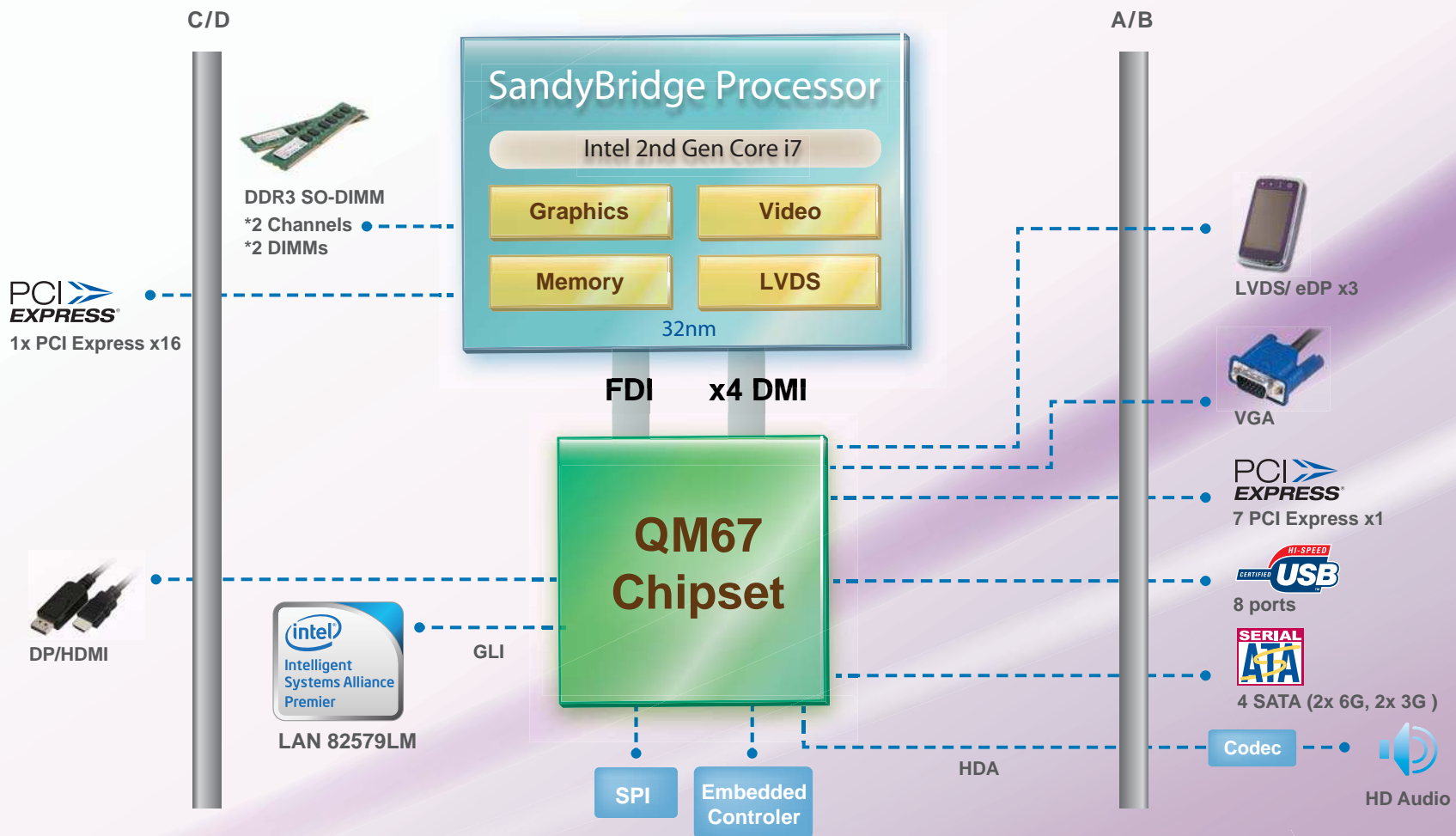
PCOM-B217VG is designed with the Intel® QM67 chipset to offer high computing power by Intel's 2<sup>nd</sup> generation multi-core computing processor with high-resolution graphic capability, turbo-boost, SOL, IDER, serial over LAN, iAMT 7.0 and a 7 year life cycle suitable for medical applications and devices related to Point of Care, X-Ray, Ultrasound, Magnetic Resonance Imaging (MRI), and Computer Tomography Scanning (CT).

## FEATURES

- The Intel® Sandy Bridge Core™ i7-2715QE (Quad Core) / Core i5-2655LE (Duo core) Core i7-6210UE (Quad Core) / i5-2515E and QM67 platform provide higher performance
- Supports faster I/O interfaces on seven PCI Express lanes (four x1 lanes can be configured to one x4 lane)
- Supports four SATA ports include two 6Gbps ports and two 3 Gbps ports
- Power sharing technology between CPU and Graphics engine to maximize performance
- Display Port (DP), HDMI, DVI supported

## ORDERING GUIDE

AB1-3595	PCOM-B217VG.Type II. Basic Form Factor.COM Express Module SandyBridge-mbl (PGA type)
AB1-3735 AB1-3709	PCOM-B217VG-ECC-2715QE.(Type II with ECC) PCOM-B217VG-VI-ECC-2715QE.(Type VI with ECC) SandyBridge-mbl Core i7-2715QE (2.1G, 45Watts)
AB1-3737 AB1-3711	PCOM-B217VG-ECC-2610UE.(Type II with ECC) PCOM-B217VG-VI-ECC-2610UE.(Type VI with ECC) SandyBridge-mbl Core i7-2610UE (1.5G, 17Watts)
AB1-3738 AB1-3712	PCOM-B217VG-ECC-2515E.(Type II with ECC) PCOM-B217VG-VI-ECC-2515E.(Type VI with ECC) SandyBridge-mbl Core i5-2515E (2.5G, 35Watts)
B8304560	Cooler for PCOM-B217VG-ECC and PCOM-B217VG-VI-ECC
B8304550	Cooler for PCOM-B217VG



### Processor Core

- ◆ SandyBridge Core (32nm) QC, DC & Uni-core SKUs
- ◆ 6MB, 4MB, 3MB Shared Last Level Cache
- ◆ SMT: 4~8 threads/core
- ◆ Turbo Mode

### Highlights

- ◆ Integrated Memory Controller: 2 Channels of Native DDR3 support ECC or non-ECC (by COM-E Type)
- ◆ Integrated Native PCI-E Gen 2 supports 1x16, 2x8, 1x4, 6x1 configurations

### Memory

- ◆ DDR3-800/1067 MT/s, up to 16GB
- ◆ 2 Channels
- ◆ 17.1 GB/s Peak Memory Bandwidth

### Platform Thermal Design Power

	i7-2715QE	i7-2610UE	i5-2515E
	45W	17W	35W
	QM67 3.9W	QM67 3.9W	QM67 3.9W
<b>Watt</b>	<b>48.9W</b>	<b>20.9W</b>	<b>38.9W</b>