

PCOM-B217VG-ECC

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



FEATURES

- The Intel® Sandy Bridge Core i7-2715QE (Quad Core) / Core i7-2655LE (Duo core) / Core i7-6210UE (Duo core) / i5-2515E and QM67 platform provide higher performance
- Support faster I/O interfaces on seven PCI Express lanes (four x1 lanes can be configured to one x4 lane)
- Support four SATA ports include two 6Gbps ports and two 3Gbps ports
- Power sharing technology between CPU and Graphics engine to maximize performance
- DP (Display Port), HDMI, DVI supported
- Two USB3.0 ports supported

GENERAL

Processor	CPU: Intel® Sandy Bridge Core i7-2715QE (Quad Core)/i7-2655LE (Duo core) i7-2610UE(Duo core) and i5-2515E (Duo core) n BGA package with ECC - Core i7-2715QE: 2.1GHz - Core i7-2655LE: 2.2GHz ; Core i7-2610UE 1.5GHz - Core i5-2515E: 2.5GHz
Chipset/Core Logic	Intel® QM67
System Memory	Only supports DDR3 ECC SDRAM on two SODIMMs, up to 16GB
BIOS	UEFI BIOS
Storage Devices	SATA: Support four SATA ports, two 6Gbps ports
Solid State Disk	N/A
Watchdog Timer	Programmable by embedded controller on board
Expansion Interface	- Seven PCI Express lanes (four x1 lanes can be configured to one x4 lane) - One PCI Express x16 lanes, which can be configured to two x8 or two x4 and one x8 mode - LPC Interface - SMBus/I2C Interface - High definition audio interface
Hardware Monitoring	CPU Temperature
Power Requirement	TBA
Dimension	Dimension: 125(L) x 95(W) mm
Environment	Operation Temperature: 0~60 °C Storage Temperature: -20~80 °C Operation Humidity: 5~90%

ORDERING GUIDE

Standard	PCOM-B217VG-VI-ECC Intel® Sandy Bridge based Type VI COM Express with DDR3 SDRAM, VGA, LVDS, Gigabit Ethernet, 6Gbps SATA
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I/O

MIO	N/A
IrDA	N/A
Ethernet	One Intel® 82579LM Gigabit Ethernet Controller
Audio	N/A
USB	Eight USB ports
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	- Sandy Bridge integrated latest generation graphics, supports DX10+ and enhance low power HD video playback - The Intel Flexible Display Interface (FDI) utilizes differential signaling to transport display data from a processor pixel source to a sink PCH at a rate of 2.7GT/s
Graphic Memory	Dynamic share system memory up to 1GB of 2GB system memory (Intel® DVMT 5.0)
Display Interface	- Support CRT and one 18bit/24bit LVDS display interfaces - PCI Express x16 for graphic



American Portwell

Fremont CA Tel: +1-510-403-3399

E-mail: info@portwell.com

<http://www.portwell.com>