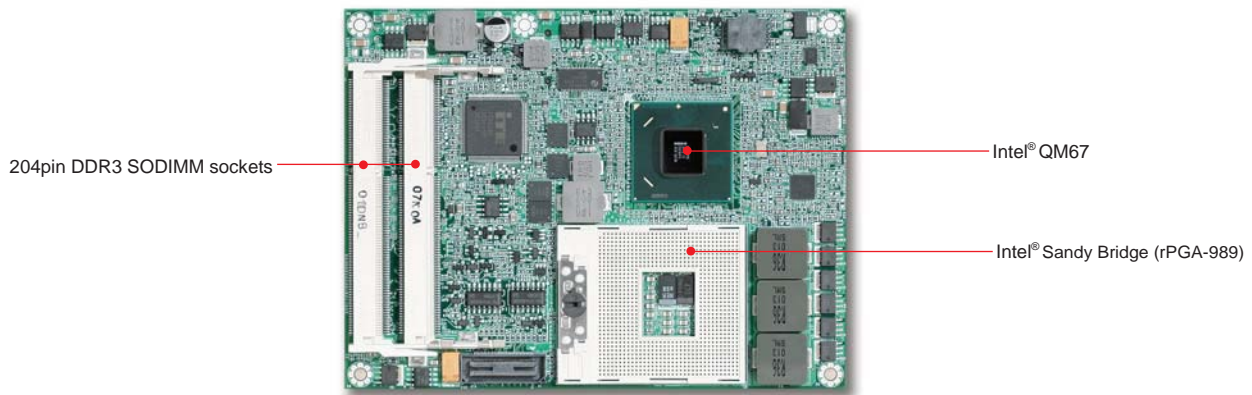


PCOM-B217VG

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



FEATURES

- The Intel® Sandy Bridge Core i7-2710QE (Quad Core) / Core i5-2510E (Duo core) and QM67 platform that provide processing performance boost and more platform value add
- Support faster I/O interfaces the six 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) which is mapping to PEG port to reduce baseboard design and cost

GENERAL

Processor	CPU: Intel® Sandy Bridge Core i7-2710QE (Quad Core) / Core i5-2510E (Duo core) in rPGA-989 package (Socket G2) - Core i7-2710QE: 2.1GHz (Turbo Boost to 3 GHz) - Core i5-2510E: 2.5GHz (Turbo Boost to 3.2 GHz) DMI: 5GT/s
Chipset/Core Logic	Intel® QM67
System Memory	Supports DDR3 SDRAM on two SODIMMs, up to 16GB 1067/1333 MHz
BIOS	UEFI BIOS
Storage Devices	IDE: Support one IDE channel with Ultra DMA 100/66/33 SATA: Support four SATA ports, two 6Gbps ports and two 3Gbps ports
Solid State Disk	N/A
Watchdog Timer	Programmable by embedded controller on board
Expansion Interface	- Six 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 - Secondary PCI Express x8 lanes is mapping to DP(Display port) - 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 Intel® Sandy Bridge based Type II COM Express with DDR3 SDRAM, VGA, LVDS, Gigabit Ethernet, 6Gbps SATA, IDE and USB
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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



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