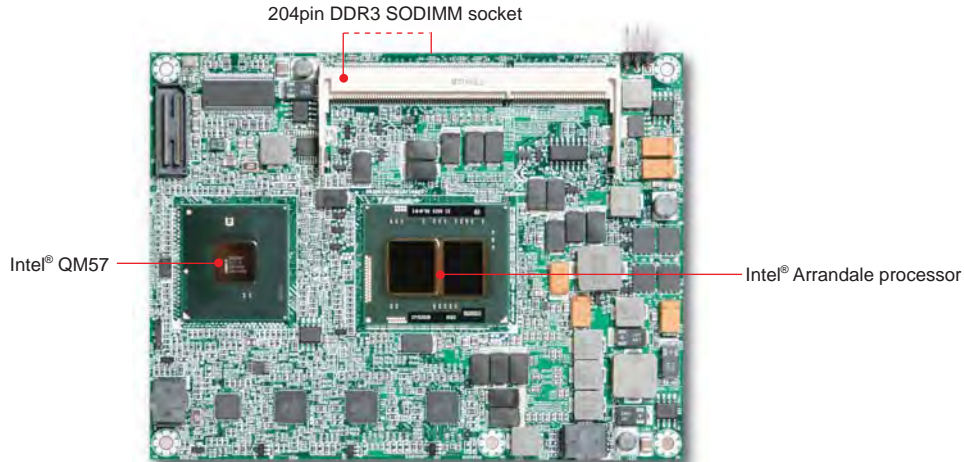


PCOM-B216VG

Intel® Arrandale processor based Type II COM Express module with DDR3 SDRAM and Gigabit Ethernet



FEATURES

- The Intel® Arrandale and QM57 platform with turbo boost technology to maximize CPU & Graphic performance
- Intel® Arrandale platform support variously powerful processor from ultra low power to mainstream performance type
- Supports Intel® intelligent power sharing technology to reduce TDP (Thermal Design Power)
- Enhance Intel® vPro efficiency by Intel® 82577LM GbE PHY and AMT6.0 technology
- Support two DDR3 800/1066 SDRAM on two SODIMM sockets, up to 8GB memory size

ORDERING GUIDE

Standard	PCOM-B216VG Intel® Arrandale processor based Type II COM Express module with DDR3 SDRAM and Gigabit Ethernet
CPU Support List	Intel® Core i7-610E SV (4M Cache, 2.53 GHz) Intel® Core i7-620LE LV (4M Cache, 2.00 GHz) Intel® Core i7-620UE ULV (4M Cache, 1.06 GHz) Intel® Core i5-520E SV (3M Cache, 2.40 GHz) Intel® Celeron P4505 SV (2M Cache, 1.86 GHz)

* Specifications are subject to change without notice.

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GENERAL

Processor	CPU & Package: Intel® 45nm Arrandale Core i7/i5/i3 or Celeron P4505 processor up to 2.66 GHz with 4MB Cache in FC-BGA package DMI x4 Link: 4.8GT/s (Full-Duplex)
Chipset/Core Logic	Intel® QM57
System Memory	Up to 8GB DDR3 800/1066 SDRAM on two SODIMM sockets
BIOS	AMI BIOS
Storage Devices	SATA: Support four SATA 300 and one IDE
Expansion Interface	VGA and LVDS Six PCI Express x1 LPC & SPI Interface High definition audio interface PCI
Hardware Monitoring	CPU Voltage and 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%

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Intel® 82577LM Gigabit Ethernet PHY
Audio	N/A
USB	Eight USB ports
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	Intel® Arrandale integrated Graphics Media Accelerator (Gen 5.75 with 12 execution units)
Graphic Memory	Dynamic share system memory over 512MB (Intel® DVMT 5.0)
Display Interface	- Support CRT, LVDS, HDMI, DisplayPort (DP) and DVI-D interfaces - CRT(2048x1536@85Hz refresh); HDMI/DVI-D(1920x1200); DP(2560x1600)



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