PCOM-B210VG
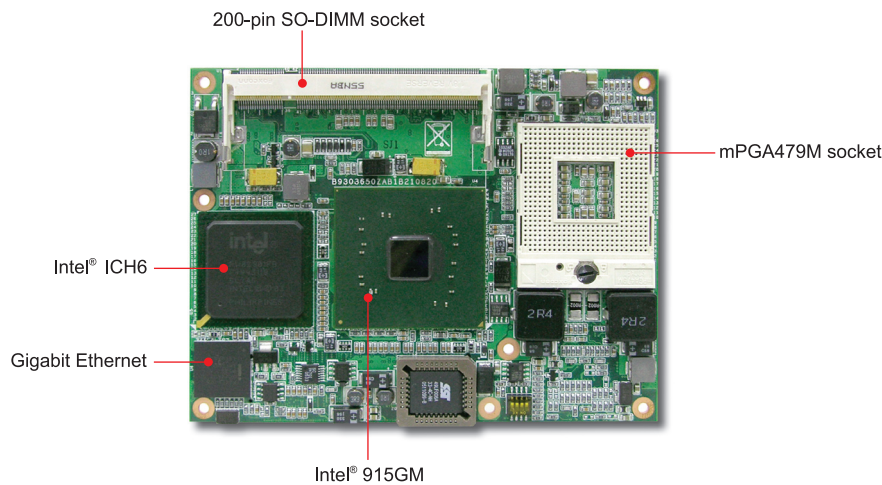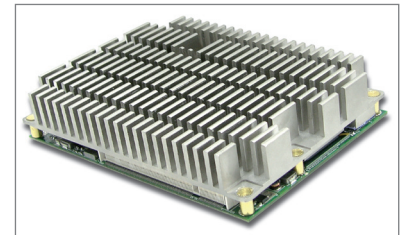
Intel® Pentium® M or Celeron® M processor based Type II COM Express module with DDR2 SDRAM, VGA, Gigabit Ethernet and USB

200-pin SO-DIMM socket

mPGA479M socket

Intel® ICH6

Gigabit Ethernet

Intel® 915GM

Active Cooler

Passive Cooler

FEATURES

■ Intel® 915GM based COM Express module supports high bandwidth serial type I/O interfaces such as PCI Express, SDVO & SATA

■ Plug-n-run with the carrier boards and save time to market

■ Accept both socket type and BGA type Pentium® M and Celeron® M processors for low power or fan-less applications

■ Maximum 1GB DDR2 memory

■ Equipped with single PCI Express x1 interface based Gigabit Ethernet that could change to Fast Ethernet by project

GENERAL

Processor	CPU & Package: Intel® Pentium® M or Celeron® M processor in mFCPGA package FSB: 533/400MHz
Chipset/Core Logic	Intel® 915GM and ICH6
System Memory	Up to 1GB DDR2 533/400 SDRAM on one 200-pin DIMM socket
BIOS	Award BIOS
Storage Devices	EIDE: Support one EIDE channel with Ultra DMA 100/66/33 SATA: Support four SATA 150 drives
Solid State Disk	N/A
Watchdog Timer	N/A
Expansion Interface	- One PCI Express x16, multiplexed with SDVO interface - Three PCI Express x1 - Four PCI devices - LPC interface - High definition audio interface
Hardware Monitoring	CPU temperature
Power Requirement	TBA
Dimension	Dimension : 95(L) x 114(W) mm; 3.7"(L) x 4.5" (W) PCB: 10-layer
Environment	Operating Temperature: 0 to 60ºC Storage Temperature: -20 to 80ºC Relative Humidity: 5% to 90%, non-condensing
MTBF	TBA

ORDERING GUIDE

Standard	PCOM-B210VG
	Intel Pentium® M or Celeron® M processor based Type II COM Express module with DDR2 SDRAM, VGA, Gigabit Ethernet and USB
Optional	Active Cooler
	Cooler for both PCOM-210/211 with socket type processor

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Gigabit Ethernet
Audio	N/A
USB	Eight USB ports
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	Intel® 915GM integrated Intel® Graphics Media Accelerator 900 (Intel® GMA 900)
Graphic Memory	Dynamic share system memory up to 224MB (Intel® DVMT 3.0) or static share system memory up to 128MB
Display Interface	- Support CRT, LVDS and TV-out display interfaces - CRT display resolution up to 2048x1536 @ 85Hz refresh