PCOM-B212VG
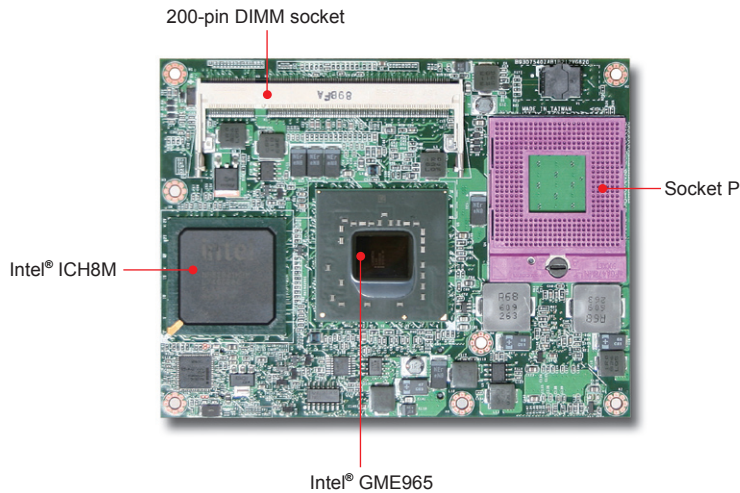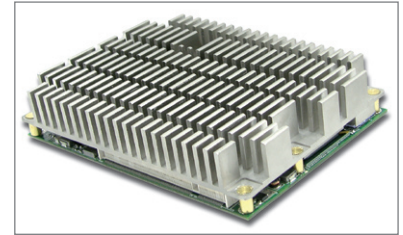
Intel® Core™ 2 Duo or Celeron® M processor based Type II COM Express module with DDR2 SDRAM, VGA, Gigabit Ethernet and USB

200-pin DIMM socket

Socket P

Intel® ICH8M

Intel® GME965

Active Heat Sink

Passive Heat Sink

FEATURES

- The Intel® Core™ 2 Duo processor brings dual-core technology and provides significant performance improvement.

- The Intel® GME965 integrated GMA X3100 graphic provides better performance and variable display interfaces.

- Design to comply with both socket type and BGA type Core™ 2 Duo & Celeron® M processor for intensive computing

- Architecture of module and carrier boards speeds up time-to-market of tailor-made equipment

- Equipped with single PCI Express x1 interface based Gigabit Ethernet

GENERAL

Processor	CPU & Package: Intel® Core™ 2 Duo or Celeron® M processor FCPGA package FSB: 533/800MHz
Chipset/Core Logic	Intel® GME965 and ICH8M
System Memory	Up to 4GB DDR2 533/667 SDRAM on two 200-pin DIMM socket
BIOS	Award BIOS
Storage Devices	EIDE: Support one EIDE channel with Ultra DMA 100/66/33 SATA: Support three SATA 300 drives
Solid State Disk	N/A
Watchdog Timer	N/A
Expansion Interface	- One PCI Express x16, multiplexed with SDVO interface - Five PCI Express x1 - Four PCI devices - LPC interface - High definition audio interface
Hardware Monitoring	CPU Voltage and Temperature
Dimension	Dimension : 125(L) x 95(W) mm; 4.9"(L) x 3.7" (W)
Environment	Operating Temperature: 0 to 60ºC Storage Temperature: -20 to 80ºC Relative Humidity: 5% to 90%, non-condensing

ORDERING GUIDE

Standard	PCOM-B212VG
	Intel® Core™ 2 Duo or Celeron® M processor based Type II COM Express module with DDR2 SDRAM, VGA, Gigabit Ethernet and USB

I/O

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

DISPLAY

Graphic Controller	Intel® GME965 integrated Graphics Media Accelerator X3100 (Intel® GMA X3100)
Graphic Memory	Dynamic share system memory up to 384MB (Intel® DVMT 4.0)
Display Interface	- Support CRT, LVDS, TV-out, and SDVO display interfaces - CRT display resolution up to 2048x1536 @ 85Hz refresh