PCOM-B218VG
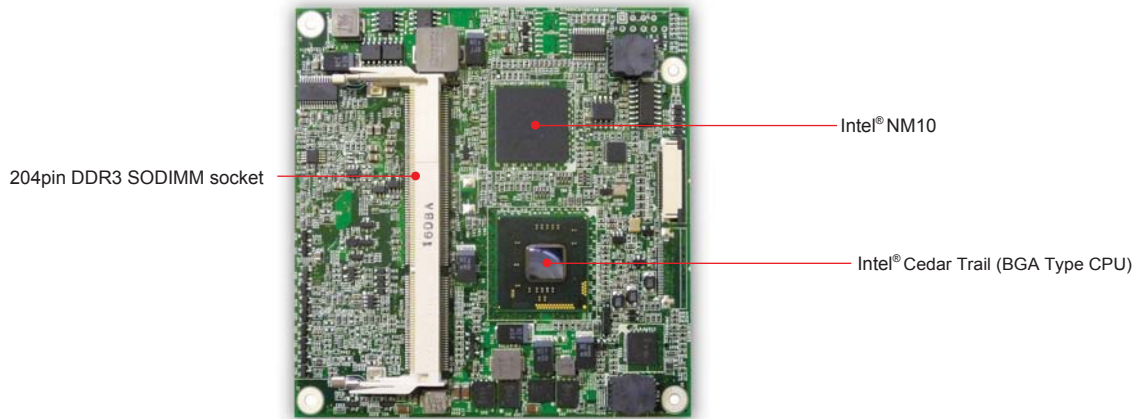
Intel® Cedar Trail Mobile based Type VI COM Express with DDR3 SDRAM, VGA, LVDS, Gigabit Ethernet, 3Gbps SATA, IDE and USB

204pin DDR3 SODIMM socket

Intel® NM10

Intel® Cedar Trail (BGA Type CPU)

FEATURES

- The Intel® Atom™ D2700 2.13GHz / N2800 1.86GHz / N2600 1.6GHz BGA Type CPU

- Support faster I/O interfaces the four PCI Express lanes

- Support two SATA ports include two 3Gbps ports

- Power sharing technology between CPU and Graphics engine to maximize performance

- Support multiple DP/HDMI/DVI functions with two Display Ports

GENERAL

Processor	CPU: Intel® Cedar Trail Mobile Atom™ D2700 2.13GHz / N2800 1.86GHz / N2600 1.6GHz BGA Socket
Chipset/Core Logic	Intel® NM10
System Memory	Supports DDR3 SDRAM on one SODIMMs, up to 4GB 1067/1333 MHz
BIOS	UEFI BIOS
Storage Devices	SATA: Support two 3Gbps ports
Solid State Disk	N/A
Watchdog Timer	Programmable by embedded controller on board
Expansion Interface	- Four PCI Express lanes (four x1 lanes can be configured to one x4 lane) - LPC Interface - SMBus/I2C Interface - High definition audio interface
Hardware Monitoring	CPU Temperature
Power Requirement	TBA
Dimension	Dimension: 95(L) x 95(W) mm
Environment	Operation Temperature: 0~60 °C Storage Temperature: -20~80 °C Operation Humidity: 5~90%

ORDERING GUIDE

Standard	PCOM-B218VG
	Intel® Cedar Trail based Type VI COM Express with DDR3 SDRAM, VGA, LVDS, 10/100 Ethernet, 3Gbps SATA, IDE and USB

* Specifications are subject to change without notice.
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I/O

MIO	N/A
IrDA	N/A
Ethernet	One Intel® 82552V Fast Ethernet Controller
Audio	N/A
USB	Eight USB ports
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	Cedar Trail integrated Intel® Graphics Media Accelerator (GMA) 3600/3650 graphics engine to enhance 3D performance for media applications such as high definition 1080p imaging
Graphic Memory	Dynamic share system memory up to 1GB of 2GB system memory (Intel® DVMT 5.0)
Display Interface	- Support multiple DP/HDMI/DVI functions with two Display Ports