FEATURES

- The Intel® ATOM N450(Pineview-M) / D410 (Pineview-D, Single core) D510(Pineview-D, Duo core) and ICH8M platform that provides cost effective solution with low power and duo core processor technology

- Intel® Pineview-M / Pineview-D can be supported on the same compact board

- Support five PCI Express lanes, four x1 lanes can be configured to one x4 lane

- On-board ATA 1GB Solid State Drive, up to 4GB

- Support one DDR2 533/667MHz SDRAM, up to 4GB memory size

ORDERING GUIDE

Standard	PCOM-B215VG
	Intel® ATOM based Type II micro-COM Express module with DDR2 SDRAM, VGA, Gigabit Ethernet, SATA, USB and NAND Flash

* Specifications are subject to change without notice.

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GENERAL

Processor	CPU: Intel® ATOM N450/D410/D510 in FCBGA package - N450 - D410 - D510 FSB: 533 MHz
Chipset/Core Logic	Intel® ICH8M
System Memory	Supports up to 4GB DDR2 667/800 (N450 up to 2GB, D410/D510 up to 4GB)
BIOS	AMI BIOS
Storage Devices	IDE: Support one IDE channel with Ultra DMA 100/66/33 SATA: Support three SATA 300 drives
Solid State Disk	On-board ATA 1GB Solid State Drive, up to 4GB
Watchdog Timer	N/A
Expansion Interface	- Five PCI Express x1 lanes of which four x1 lanes can be configured to one x4 lane - PCI devices - LPC Interface - AC97 / 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%

I/O

MIO	N/A
IrDA	N/A
Ethernet	One Intel® 82567V Gigabit Ethernet Controller
Audio	N/A
USB	Eight USB ports
Keyboard & Mouse	N/A

DISPLAY

Graphic Controller	- N450 integrated Generation 2.5 graphics, supports DX9 Graphics up to 200MHz - D410/D510 integrated Generation 3.5 graphics, supports DX9 Graphics up to 400MHz
Graphic Memory	Dynamic share system memory up to 256MB (Intel® DVMT 4.0)
Display Interface	- Support CRT, 1x 18bit LVDS display interfaces - Resolution: CRT display: Pineview-M N450: up to 1400 x 1050 @ 60Hz refresh Pineview-D D410/D510: up to 2048 x 1536 @ 60Hz refresh LVDS display: Pineview-M N450: up to 1280 x 800 Pineview-D D410/D510: up to 1366 x 768

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