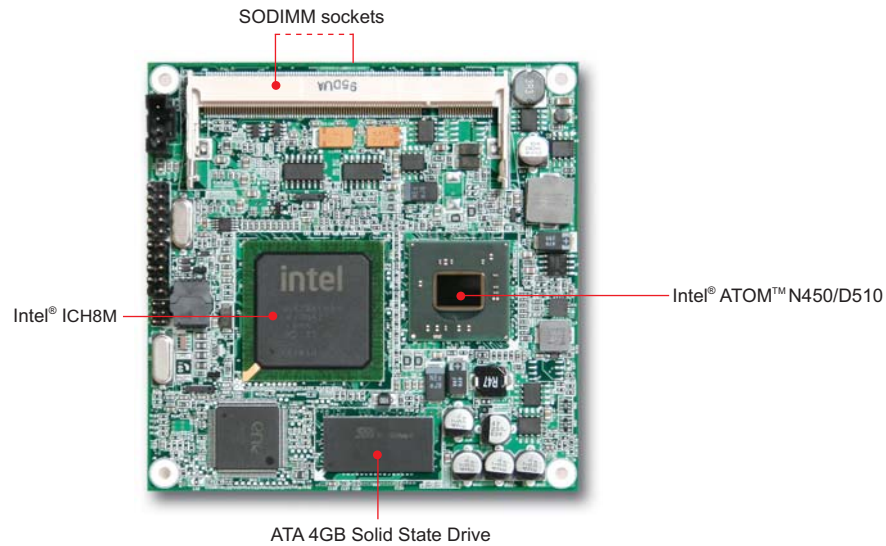


PCOM-B215VG

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



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 4GB Solid State Drive, up to 8G Byte
- Support one DDR2 667MHz SDRAM, up to 4GB memory size
- Support MPEG2 Decode in HW

GENERAL

Processor	CPU: Intel® ATOM N450/D510 in FCBGA package - N450 - D510
Chipset/Core Logic	Intel® ICH8M
System Memory	Supports up to 4GB DDR2 667 SDRAM on two SODIMMs
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 4GB Solid State Drive, up to 8G Byte
Watchdog Timer	N/A
Expansion Interface	- Five PCI Express x1 lanes of which four x1 lanes can be configured to one x4 lane - Four PCI devices - LPC Interface - AC97 / High definition audio interface
Hardware Monitoring	CPU Temperature
Power Requirement	TBA
Dimension	Dimension : 95(L) x 95(W) mm; 3.7"(L) x 3.7" (W)
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%

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
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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 - 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: up to 1400 x 1050 @ 60Hz refresh Pineview-D: up to 2048 x 1536 @ 60Hz refresh LVDS display: Pineview-M: up to 1280 x 800 Pineview-D: up to 1366 x 768