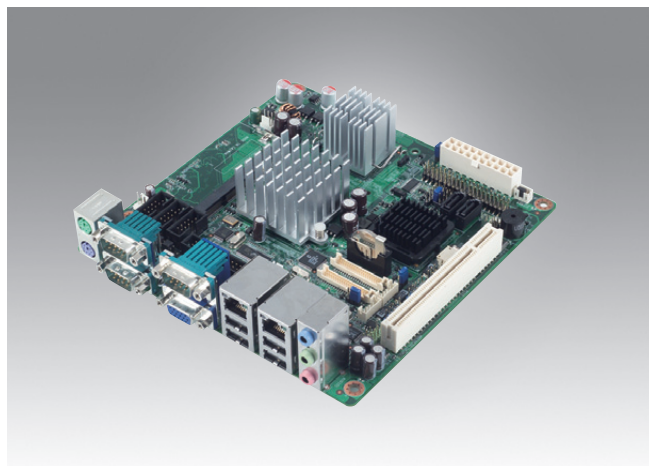


AIMB-210

Intel® Atom™ N270 Mini-ITX with
CRT/LVDS, 6 COM, and Dual LAN



Features

- Intel® Atom™ Mini-ITX motherboard supports N270 1.6 GHz processor
- One 200-pin SODIMM up to 2 GB DDR2 533 MHz SDRAM
- Supports dual display for CRT, LVDS, and TV-Out
- 6 serial ports, 8 USB ports, CF, 2 LAN ports and TPM1.2 (optional)
- Supports susiAccess and Embedded Software APIs

Software APIs:



Utilities:



Specifications

Processor System	CPU (45 nm)	Intel Atom N270			
	Max. Speed	1.6 GHz			
	Front Side Bus	533 MHz			
	L2 Cache	512 KB			
	Chipset	Intel 945GSE + ICH7M			
	BIOS	Award 16 Mbit, SPI			
Expansion Slot	PCI	32-bit/33 MHz, 1 slot			
	Mini-PCI	-			
	PCIe	-			
Memory	Technology	Single channel DDR2 533 MHz SDRAM			
	Max. Capacity	2 GB			
	Socket	1 x 200-pin SODIMM (Non-ECC)			
Graphics	Controller	Intel 945GSE GMCH integrated GMA 950			
	VRAM	Shared system memory up to 224 MB SDRAM			
	1st LVDS	Single channel 18-bit/Dual channel 36-bit LVDS			
	2nd LVDS	Single channel 18/24-bit/Dual channel 36/48-bit LVDS, via Chronitel 7308B SDVO transmitter (F version)			
	TV-Out	Supports both S-video and composite video (TV-Out function is not supported during POST stage)			
Ethernet	Dual Display	CRT + LVDS, CRT + TV-Out, LVDS + TV-Out			
	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Realtek 8111C; GbE LAN2: Realtek 8111C			
SATA	Connector	RJ-45 x 2			
	Max Data Transfer Rate	300MB/S			
EIDE	Channel	2			
	Mode	EIDE (Ultra DMA 100)			
SSD	Channel	1			
	CompactFlash	Supports CompactFlash Type I/II			
Rear I/O	CRT	1			
	Ethernet	2			
	USB	4 (USB 2.0 compliant)			
	Audio	3 (Mic-in, Line-out, Line-in)			
	Serial	3 (2 x RS-232, 1 x RS-232/422/485)			
	Parallel	-			
	PS/2	2 (1 x keyboard and 1 x mouse)			
Internal Connector	LVDS & Inverter	1			
	USB	4 (USB 2.0 compliant)			
	Serial	3 (RS-232)			
	IDE	1			
	SATA	2			
	CompactFlash	1			
	Parallel	1			
	DIO	16-bit GPIO			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Power Requirements	Power consumption	Intel 1.6 GHz Atom processor, 2 GB DDR2 SDRAM			
	+5 V	+3.3 V	+12 V	-12 V	+5 VSB
	1.96 A	1.21 A	0.19 A	0.06 A	0.28 A
Environment	Power type	20pin ATX connector; Support AT/ATX mode			
	Operating	Non-Operating			
	Temperature	0 ~ 60° C (32 ~ 140° F) -20 ~ 70° C (-4 ~ 158° F)			
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")			

* Minimum order quantity is required.

0 View



Packing List

Description	Quantity
AIMB-210 SBC	1
IDE HDD cable (40-pin)	1
SATA HDD cable	2
SATA power cable	2
Serial port cable	3
CPU cooler	1
I/O port bracket	1
Startup manual	1
Driver CD	1

Embedded OS/API

OS/API	Part No.	Description
Win XPE	2070009632	WES2009 AIMB-210 V4.0 ENG
	2070007913	WES2009 AIMB-210 V4.0 Russian
	2070009654	WES2009 AIMB-210 V4.0 CHS
	2070007914	WES2009 AIMB-210 V4.0 24MUI
Win CE	2070006189	FP2007 AIMB-210 V3.1.0 ENG
	2070006271	CE60 Pro AIMB-210 V1.1 ENG
	2070009651	CE 5.0 Pro AIMB-210 V1.4 ENG
QNX	2070006272	QNX V6.4 AIMB-210 V1.0 ENG (Audio is not supported)