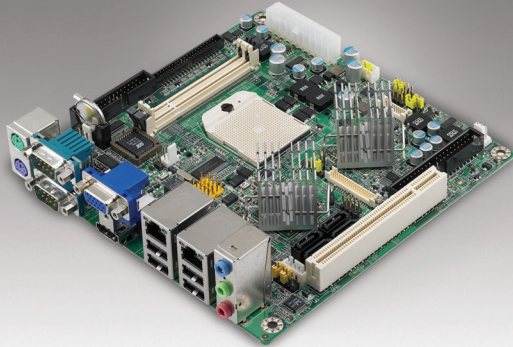


AIMB-221

AMD Turion™ and Sempron™ Processor-based Mini-ITX Motherboard with 6 COM and Dual LAN

NEW



Features

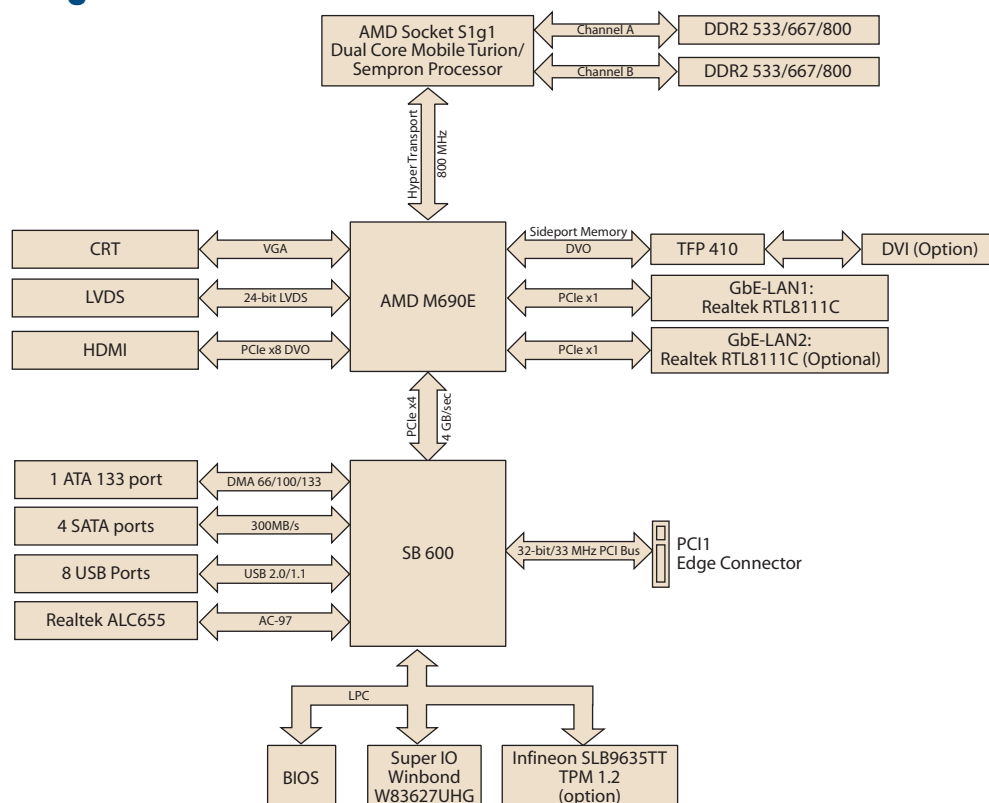
- Supports AMD Turion™ 64X2 and Sempron™ mobile processor-AMD M690E and SB600
- Two 200-pin SODIMMs up to 4 GB DDR2 533/667/800 SDRAM
- Supports HDMI 1.2 output
- Supports 6 serial ports and 4 SATA 2.0 ports
- Supports TPM (Optional)
- Supports software RAID 0 and 1

Specifications

Processor System	CPU (65 nm S1g1)	AMD Turion 64 X2 TL-62	AMD Turion 64 X2 TL-56	AMD Sempron 3700+	AMD Sempron 2100+
	Max. Speed	2.1 GHz (dual core)	1.8 GHz (dual core)	2.0 GHz	1.0 GHz
	Hyper Transport Speed	800 MHz	800 MHz	800 MHz	800 MHz
	L2 Cache	1 MB	1 MB	512 KB	256 KB
	Chipset	AMD M690E and SB 600			
	BIOS	Award 4 Mbit via LPC			
Expansion Slot	PCI	32-bit/33 MHz, 1 slot			
	Mini-PCI	32-bit/33 MHz, 1 slot			
	PCIe	-			
Memory	Technology	DDR2 533/667/800 SDRAM			
	Max. Capacity	4 GB			
	Socket	200-pin SODIMM x 2			
Graphics	Controller	AMD M690E Integrated ATI Radeon X1250-base graphic engine			
	VRAM	Share system memory up to 512 MB video memory			
	LVDS	Single channel 18/24-bit Dual channel 36/48-bit LVDS			
	HDMI	Supports HDMI 1.2, 1650 Mbps/channel with 165 MHz			
	DVI	Through DVO TFP410 (Option)*			
Ethernet	Dual Display	CRT + LVDS, CRT + HDMI, HDMI + LVDS			
	Interface	10/100/1000Base-T			
	Controller	GbE LAN1: Realtek RTL8111C; GbE LAN2: Realtek RTL8111C			
SATA	Connector	RJ-45 x 2			
	Max Data Transfer Rate	300 MB/s			
EIDE	Channel	4 (Supports software RAID 0 and 1)			
	Mode	EIDE (Ultra DMA 133)			
SSD	Channel	1			
	Compact Flash	Supports compact flash Type II/II			
Rear I/O	VGA	1			
	HDMI	1			
	Ethernet	2			
	USB	4 (USB 2.0 compliant)			
	Serial	2 (COM 1: RS-232; COM 2: RS-232/422/485)			
	PS/2	2 (1 x K/B and 1 x Mouse)			
	LVDS	1			
Internal Connector	DVI	1 (Option)*			
	USB	4 (USB 2.0 compliant)			
	Serial	4 (RS-232)			
	IDE	1			
	SATA	4			
	Audio	MIC-In, Line-out, Line-in			
	Compact Flash	1			
	Parallel	1			
	IrDA	-			
	FDD	-			
	DIO	8-bit General Purpose I/O for DI and DO			
Watchdog Timer	Output	Interrupt, system reset			
	Interval	Programmable 1 ~ 255 sec/ min			
	Typical	Turion 64 X2 TL-62 2.1GHz HT 800 MHz, 4GB DDR2 SDRAM			
Power Requirement	+5 V	+3.3 V		+12 V	+5 VSB
	3.45 A	0.72 A		2.45 A	
Environment	Operating				
	Temperature	0 ~ 60° C (32 ~ 140° F)			
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")			

* Note: AMD DVI Driver support expected Q4 2008.

Board Diagram



Ordering Information

Part Number	GbE	Mini PCI	CF	COM
AIMB-221G2-00A1E	2	1	1	6

Riser Card

Part Number	Description
AIMB-RP30P-03A1E	2U riser card with 3 PCI slot expansion

Bracket View



AIMB-221G2-00A1E

Packing List

Description	Quantity
AIMB-221 SBC	x 1
IDE HDD cable (40 pin)	x 1
SATA HDD Data cable	x 2
SATA HDD Power cable	x 2
CPU Cooler	x 1
I/O port bracket	x 1
Startup Manual	x 1
Driver CD	x 1

Accessories

Part Number	Description
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700002314	USB cable with four ports, 30.5 cm
1701400181	IDC 40P/4 com cable, 18 cm
1700000821	DVI Cable 24P/DF13-20P W/Bracket
1700001577	DVI Cable 24P/DF13-20P 20 cm W/O Bracket
1700008809	Printer port cable, 25 cm, W/Bracket