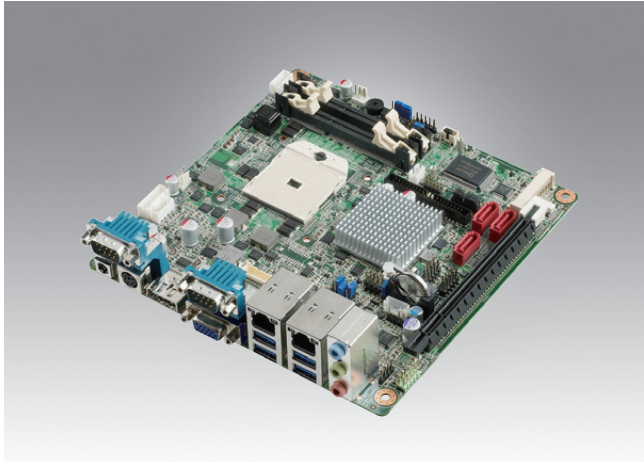


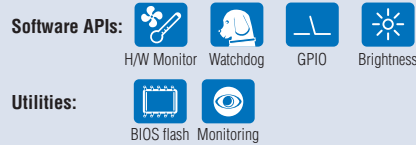
AIMB-224

Mobile AMD R-series Quad Core/Dual Core Mini-ITX with VGA/LVDS/DP/eDP, 6COM and Dual LAN



Features

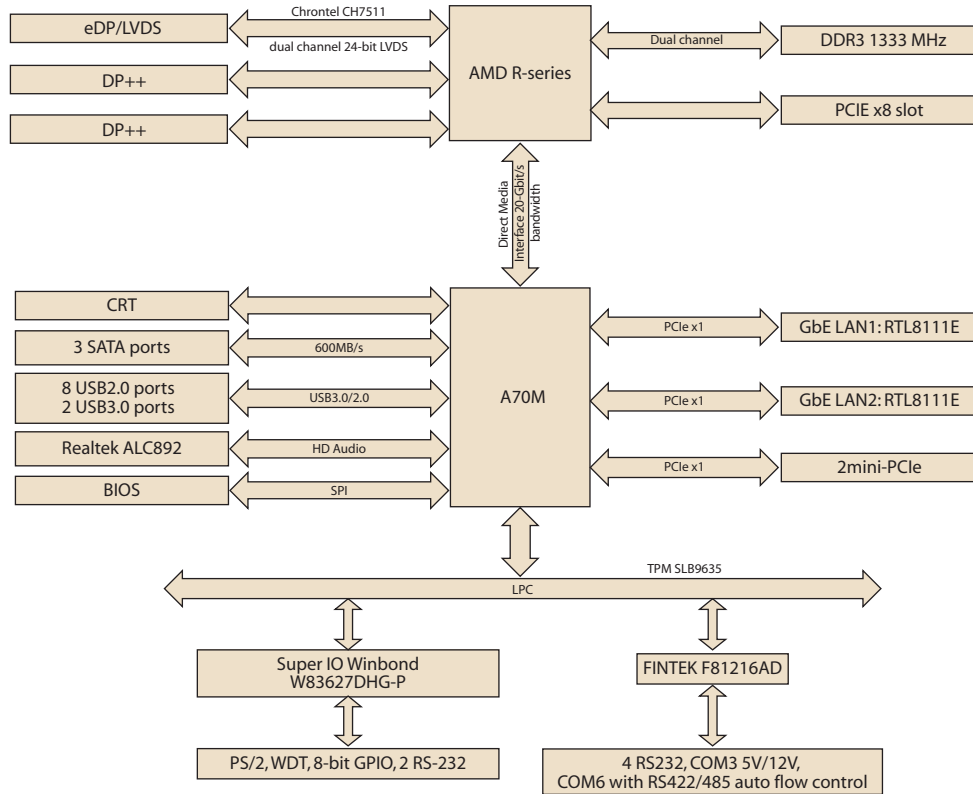
- Supports AMD Mobile eTrinity Quad core/Dual Core processor
- Two 204-pin SODIMM up to 16 GB DDR3 1066/1333/1600 MHz SDRAM
- Supports VGA/LVDS/DP/eDP
- Dual LANs, 6COM, 2Mini PCIe
- Supports embedded software APIs and Utilities



Specifications

Processor System	CPU	AMD Quad Core R-464L	AMD Quad Core R-460H	AMD Dual Core R-272F	AMD Dual Core R-268
	Max. Speed	2.3 GHz (Quad core 35W)	1.9 GHz (Quad core 35W)	2.7 GHz (dual core 35W)	2.5 GHz (dual core 35W)
	L2 Cache	1M/per core			
	Chipset	AMD R-series+A75M			
	BIOS	AMI 32 Mbit SPI			
Expansion Slot	PCI	None			
	Mini-PCIe	2			
	PCIe	PCIe x8			
Memory	Technology	Dual Channel DDR3 1066/1333/1600 MHz			
	Max. Capacity	16 GB			
	Socket	2 x 204 pin SODIMM			
Graphics	Controller	AMD Radeon™ GPUs, support DX11, UVD3			
	VRAM	None			
	VGA	Supports up to 4096 x 2400 @ 60 Hz			
	LVDS	Supports 24-bit dual channel up to 1920 x 1200. co-lay eDP (by BOM option).			
	DP	Two dual model display port, max resolution: 1920x1200@60Hz			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Realtek 8111E; GbE LAN2: Realtek 8111E			
SATA	Max Data Transfer Rate	600 MB/s			
	Channel	3			
Rear I/O	VGA	1			
	DP	2			
	Ethernet	2			
	USB	4 (2USB3.0 & 2USB2.0)			
	Audio	3 (Mic-in, Line-out, Line-in)			
	Serial	1 (RS-232)			
	DCjack	1 (2.5 mm)			
	KB/MB	1			
Internal Connector	LVDS & Inverter	1			
	USB	6 (USB2.0)			
	Serial	5 (4 RS-232, 1RS-232/422/485; COM3 support 5V/12Vby jumper selection; COM6 support RS-232/422/485 autoflow)			
	IDE	None			
	SATA	3			
	Parallel	None			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Power Requirement	Typical	Single Voltage 12V DC input by 1x External DC phone Jack or 1x Internal 2x2-pin Power Connector; AT/ATX Supported by Jumper max power consumption: 90W(R-464L/R-460H+16G DDR3 RAM)			
Environment	Operating			Non-Operating	
	Temperature	0 ~ 60° C (32 ~ 140° F)		-40 ~ 85° C (-40 ~ 185° F)	
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")			

Block Diagram



Ordering Information

Part Number	Display	LAN	COM	TPM
AIMB-224G2-00A1E	VGA/LVDS/DP	2	6	Yes

Packing List

Part Number	Quantity
AIMB-224 SBC	1
SATA HDD cable	2
Serial port cable	1
I/O port bracket	1
Startup manual	1
Driver CD	1
CPU cooler	1

Optional Accessories

Part Number	Description
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700008461	USB cable with four ports, 30.5 cm
1757003064	Adapter AC100-240V, 84W, +12V/ 7A FSP

Embedded OS/API

OS/API	Description
Win XPE	WES 2009
Software API	SUSI V3.0
WES7E	WIN 7 Embedded