

EMB-A70M

Embedded Motherboard With Onboard AMD® R-Series Accelerated Processing Unit

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Features

- AMD® R-Series APU FP2 Processor
- 204-pin SODIMM x 2 DDR3 1333/1066MHz up to 8 GB
- Supporting Full HD display by HDMI x 4
- Audio Line-out x 1, Mic-in x 1
- USB 2.0 x 1 with Type A Connectors;
USB 3.0 x 2, USB 2.0 x 4 with Pin Headers
- Realtek® 8111E for 10/100/1000Base-TX, RJ-45 x 2
- SATA 6.0Gb/s x 2, mSATA x 1
- MiniPCle (Full Size) with SIM Socket x 1
- PCIe [x4] x 1



Specifications

System	
Form Factor	Mini-ITX
Processor	AMD® R-Series APU FP2 Processor
System Memory	204-pin SODIMM x 2 DDR3 1333/1066MHz up to 8 GB
Chipset	AMD® Hudson M3 / A70M
I/O Chipset	ITE IT8728
Ethernet	Realtek® 8111E for 10/100/1000Base-TX, RJ-45 X2
BIOS	AMI Plug & Play BIOS - 32MB
Wake On LAN	Yes
Watchdog Timer	Programmable 1-255 steps System reset
H/W Status Monitoring	Monitoring system temperature, voltage, and cooling fan status
Expansion Interface	MiniPCle (Full Size) with SIM Socket x 1 Mini PCle x 1 (Optional PCIe & SATA signal, default for mSATA) PCIe [x4] x 1 PCle [x1] Board to board connector for HDA and DP signal x 1 (optional reserved)
Battery	Lithium battery
Power Requirement	+12V 4-pin connector x 1 CPU fan with 4-pin wafer x 1 System fan with 4-pin wafer x 1 SATA power with 4-pin wafer x 1 SATA+POWER combination connector x 1 Power button switch (optional reserve) x 1
Power Consumption (Typical)	—
Board Size	6.7" x 6.7" (170 mm x 170 mm)
Gross Weight	T—
Operation Temperature	32°F ~ 140°F (0 °C ~ 60 °C)
Storage Temperature	-40°F ~ 176°F (-40 °C ~ 80 °C)
Operation Humidity	0% ~ 90% R/H, non-condensing
MTBF (Hours)	—
I/O	
Storage	SATA 6.0Gb/s x 2 mSATA x 1
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Universal Serial Bus	USB 2.0 x 1 with Type A connectors USB 3.0 x 2, USB 2.0 x 4 with Pin Headers
PS/2 Port	Mini-Din PS/2K/B and Mouse x 1

Packing List

- SATA Cable x 1
- SATA Power Cable x 1
- I/O Shield x 1
- Product CD
- EMB-A70M