



Features

- Onboard AMD 200U 1 GHz CPU
- AMD M690E / SB600 Chipset
- 2 SODIMMs up to 4 GB DDR2 400/533/667/800 SDRAM
- Dual View, 2-CH LVDS, DVI
- ALC655 Supports 5.1-CH Audio
- Dual 10/100/1000 Mbps LAN
- 1 PCI 2.3
- 4 SATA, 10 USB, 6 COM, 16-bit GPIO
- Optional TPM



System

CPU	Onboard AMD 200U 1GHz CPU
BIOS	Award 4Mb Flash BIOS
System Chipset	AMD M690E / SB600
I/O Chip	IT8712
System Memory	Two 200-pin SODIMMs supprt up to 4 GB DDR2 400/533/667/800 SDRAM
Watchdog Timer	1 sec. ~ 65535 min.
H/W Status Monitor	8 Voltage, 2 Thermal, Case Open
Expansion	1 PCI (PCI Rev. 2.3 compliant)

I/O

MIO	2 x EIDE (1 x 40-pin, 2.54 mm, 1 x 44-pin, 2.0 mm), 4 x SATA, 6 x COM (4 x RS-232 pin-header, 1x RS-232 1x RS-232/422/485)
USB	10 x USB 2.0 (6 pin header)
IrDA	115k bps, IrDA 1.0 Compliant
DIO	16-bit (8-bit input, 8-bit output)
TPM	Optional

Display

Chipset	AMD M690E
Resolution	CRT Mode: 2048 x 1536
Dual Display	CRT + LVDS, CRT + DVI, DVI + LVDS
LVDS	Dual 18/24-bit LVDS

Audio

AC97 Codec	Realtek ALC655 5.1-CH Audio
Audio Interface	Mic in, Line in, CD Audio in, Lin out

Ethernet

LAN 1	Atheros L1e 10/100/1000Mbps LAN
LAN 2	Atheros L1e 10/100/1000Mbps LAN

Mechanical & Environmental

Power Requirement	ATX (5 V / 12 V), 5 VSB
Operating Temp.	0~60°C (32~140°F)
Operating Humidity	0%~90% relative humidity, non-condensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.88 lbs (0.4 kg)

Ordring Information

EMX-M6901G-A1R

AMD 200U 1 GHz CPU Mini ITX Motherboard with AMD M690E Chipset, 2-CH LVDS, 5.1-CH Audio, 2 GbE, PCI, 6 COM, 4 SATA, 10 USB, 16-bit GPIO