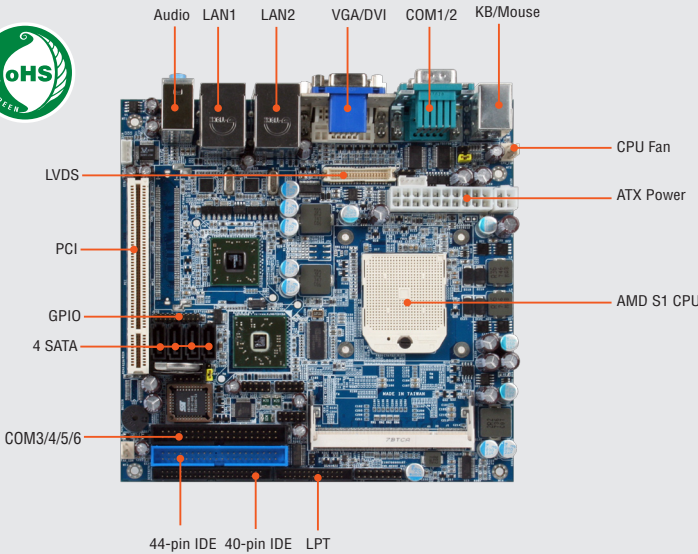




EMX-M690E

AMD M690E AMD S1 CPU Mini ITX Motherboard



Features

- AMD S1 CPU Socket
- AMD M690E / SB600 Chipset
- 2 SODIMM up to 4 GB DDR2 SDRAM
- Supports Dual Channel 18/24-bit LVDS, DVI
- ALC655 5.1-CH Audio
- Dual 10/100/1000Mbps LAN
- 2 IDE, 4 SATA
- 10 USB 2.0, 6 COM, 1 PCI
- Optional TPM

AMD S1	ALC655	5.1-CH Audio	2 Giga-LAN	Dual View
4 SATA	TPM	6 COM	10 USB	

Specifications

System

• CPU	Support AMD S1 CPU Socket
• BIOS	Award 512 KB Flash BIOS
• System Chipset	AMD M690E / SB600
• I/O Chip	IT8712
• System Memory	Two 200-pin SODIMM supprt up to 4 GB DDR2 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 serial (4 COM with 40-pin Box Header. One COM can be set as RS-232/422/485)
• USB	10 x USB 2.0 (6 Ports with 5 x 2, Pitch 2.54 mm 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	2 x Atheros L1e 10/100/1000Mbps LAN Colay 2 x 10/100Mbps LAN
• Ethernet Interface	10/100 Base-Tx Fast Ethernet Compatible 10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	ATX (5 V / 3.3 V / 12 V, 5 VSB)
• Operating Temperature	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)

CH1

ETX/
COM Express

CH2

3.5" SBC

CH3

EPIC

CH4

5.25" SBC

CH5

PC/104

CH6

IMB

CH7

Embedded
System

CH8

MTP
Panel PC

CH9

Panel PC

CH10

ahis

CH11

Peripheral

CH12

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Ordering Information

• EMX-M690E

AMD S1 CPU Mini ITX Motherboard with ATI M690E Chipset, 2-CH LVDS, 5.1-CH Audio, 2 LAN, 2 GigaLAN, PCI, Mini PCI, 2 COM, 4 SATA, 10 USB, 16-bit GPIO