

EMX-945GC-DVI

Intel® Atom™ 230 1.60GHz Mini ITX Motherboard



Features

Intel® Atom™ 230 1.60GHz

Intel® 82945GC Chipset

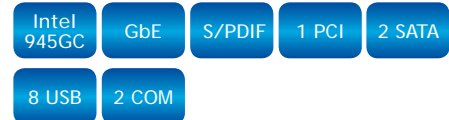
Two UDIMM up to 2 GB DDR2 SDRAM

Supports CRT/DVI/LVDS

4 COMs, 2 SATA, 8 USB, 2 x GigaLAN, 7.1 CH HD Audio

1 PCI, Type I/II CF

Fanless Possible Operation



Specifications

System

• CPU	Intel® Atom™ 230 1.60GHz
• FSB	533 MHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	Intel® 82945GC GMCH / ICH7
• ITE	IT8781F
• System Memory	Two 240-pin UDIMM sockets support up to 2 GB Dual Channel DDR2 400/533/667 SDRAM
• SSD	One CompactFlash Type I/II socket
• H/W Status Monitor	CPU & FAN Status
• Expansion	One PCI slot

I/O

• MIO	1 x IDE, 2 x SATA, 1 x K/B, 1 x Mouse, 3 x RS-232, 1 x RS-232/422/485
• USB	8 x USB 2.0
• DIO	16-bit General Purpose I/O for DI and DO, 8x2 pitch 2.0

Display

• Chipset	Intel® 82945GC GMCH
• Display Memory	Intel® DVMT 3.0 supports up to 192 MB maximum Video memory
• Resolution	CRT mode: 2048 x 1536 @ 75 Hz LCD mode: 2048 x 1536 @ 60 Hz
• Dual Independent Display	CRT + DVI / CRT + LVDS
• LVDS	LVDS x1, HIROSE DF13-40DP-1.25V
• DVI	DVI x1 Chrontel CH7307, HIROSE DF13-20DP-1.25V

Audio

• Chipset	Intel® 82801GB ICH7
• AC97 Codec	Realtek ALC888 supports HD 7.1 CH Audio
• Audio Interface	Mic in, Line in, CD Audio in, Line out

Ethernet

• LAN 1	Marvell 88E8056 (10/100/1000/Non-ASF)
• LAN 2	Marvell 88E8056 (10/100/1000/Non-ASF)
• Ethernet Interface	10/100/1000 RJ-45

Mechanical & Environmental

• Power Requirement	ATX 2.0
• Power Type	Mini ITX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	170mm x 170 mm
• Weight	0.88 lbs (0.4kg)

CH1

ETX/
COM Expre

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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