



Features

- Intel® Atom™ 230 1.6 GHz w/512 KB L2 Cache CPU
- Intel® 945GC / ICH-7 Chipset
- Two DIMMs up to 2 GB 2-CH DDR2 400/533/667 SDRAM
- IA64 64-bit Instruction Support
- Intel® Graphics Media Accelerator 950
- Dual View, 2-CH LVDS, DVI
- 7.1 + 2-CH HD Audio
- Dual Marvell 88E8056 Gigabit Ethernet
- 4 COM, 2 SATA
- 1 CF, 1 PCI, 8 USB, 16-bit GPIO

ATOM™	DVI	LVDS	7.1+2-CH Audio	2 GbE
2 SATA	4 COM	CF	8 USB	16 GPIO

Mini ITX

System

CPU	Supports Intel® Atom™ 230 1.6 GHz with 512 KB L2 cache CPU
FSB	533 MHz
BIOS	512 KB Flash BIOS
System Chipset	Intel® 82945GC GMCH / ICH-7
I/O Chip	IT8781F
System Memory	Two 240-pin DIMM sockets support up to 2 GB Dual channel DDR2 400/533/667 SDRAM S3 supported
H/W Status Monitor	Monitoring CPU temperature, voltage, and fan status with auto throttling control
Expansion	One PCI slot

I/O

MIO	1 x IDE, 2 x SATA, 3 x RS-232, 1 RS-232/422/485, 1 x K/B, 1 x Mouse
USB	8 x USB 2.0
GPIO	16-bit GPIO

Display

Chipset	Intel® 945GC integrated Graphics Media Accelerator 950
Display Memory	Intel® DVMT 3.0 supports up to up to 224 MB shared video memory
Resolution	CRT Mode: 2048 x 1536 @ 75 Hz LCD Mode: 2048 x 1536 @ 60 Hz
Multiple Display	CRT + DVI / CRT + LVDS (clone mode)
LVDS	2-CH 18/24-bit LVDS
DVI	DVI-D

Audio

Audio Chipset	Intel® 82801GB ICH7
AC97 Codec	Realtek ALC888 supports high definition 7.1+ 2-CH independent audio streams
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	1000Base-T Gigabit Ethernet compatible

Mechanical & Environmental

Power Type	ATX
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)

Ordering Information

Intel® 945GC Atom™ 230 Mini ITX Motherboard with 7.1+2-CH HD Audio, DVI, LVDS, Dual GbE, PCI, CF, 2 SATA, 4 COM, 8 USB, 16-bit GPIO