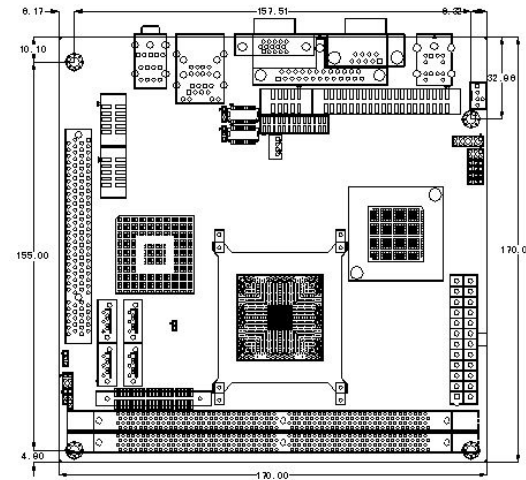
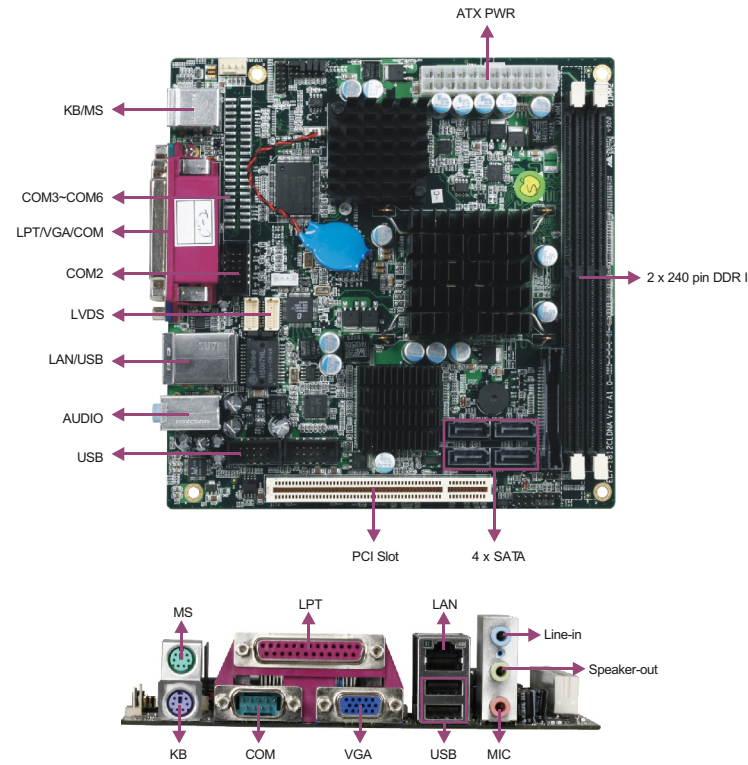
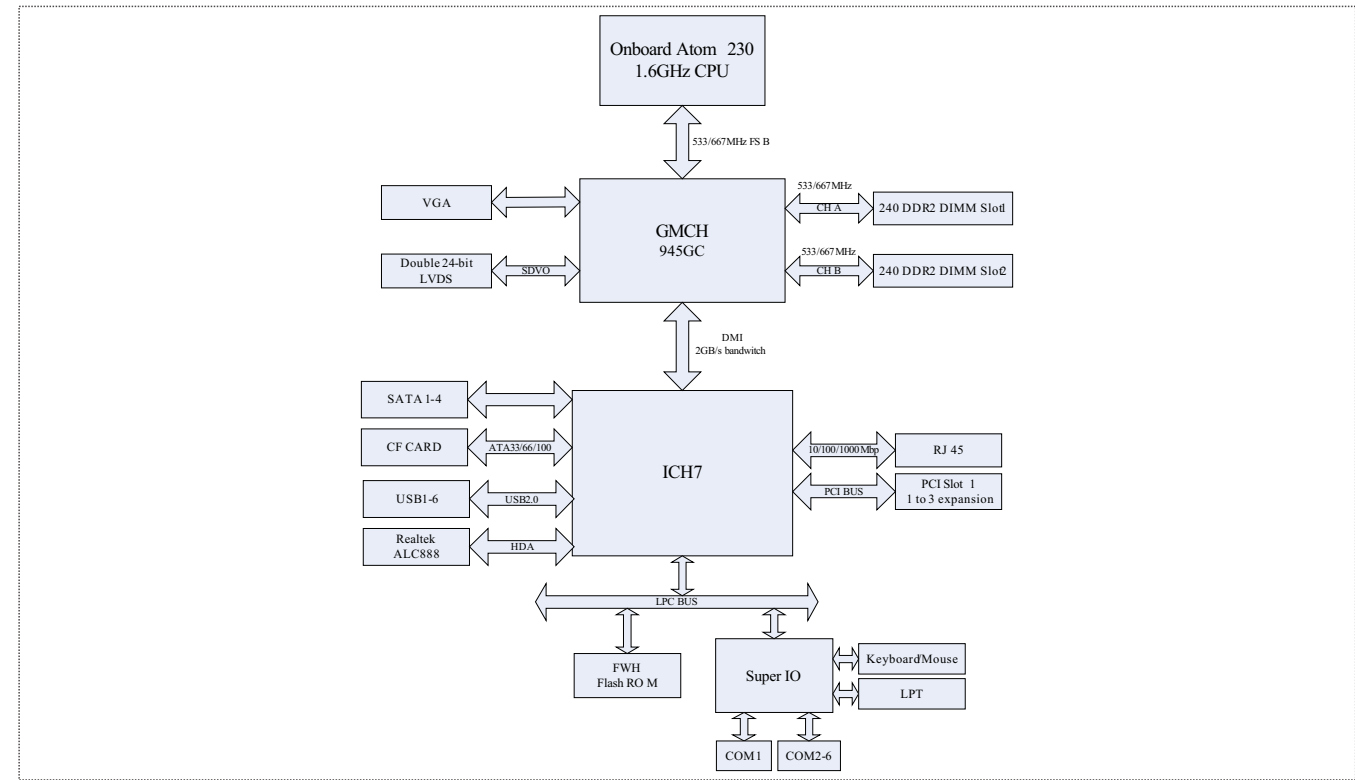


EC7-1812CLDNA

Mini-ITX SBC with Atom™ 230 CPU and VGA/SSD/LAN/Audio



Board Diagram



Available Accessories

Part Number	Name	Description	Qty.
2360-017961	SATAHDD cable/RoHS	SATA7 Pin to SATA7 Pin with elbow connector, length: 550mm/RoHS	1
2360-002621	Serial port cable/RoHS	DB9 connector to IDC 10 Pin (2x5) connector (2.54mm pitch), length: 250mm/RoHS	1
2360-018641	Parallel flat cable/RoHS	9 Pin D-shell cable connector (2.54mm pitch) to 40 Pin connector, length: 300mm/V0	1
2360-010231	USB cable/RoHS	2x5 Pin (female) connector to dual USB connector/length: 350mm	2
2330-000011	Jumper/RoHS	Pitch: 2.0mm, black, sealed tail	4
—	Driver CD/Protective film/Chinese and English/RoHS	EC7-1812CLDNA	1
—	User Manual/Chinese and English/RoHS	EC7-1812CLDNA	1
—	Setup Guide/RoHS	AMI/BIOS Setup Guide (for Core/8)	1

Ordering Information

Part Number	Model Number	Description
0030-011751	EC7-1812CLDNA	Motherboard/RoHS
0030-011771	EC7-1812CLDNA-C	Motherboard/RoHS/without 4COM
0030-011761	EC7-1812CLDNA-L	Motherboard/RoHS/without LVDS
0030-011781	EC7-1812CLDNA-LC	Motherboard/RoHS/without 4COM and LVDS

Features

- Onboard Intel® Atom™ 230 CPU 533MHz FSB
- 2 x 240-pin DIMM socket, DDRII 533MHz up to 2GB
- 1 x GbE LAN, supporting Wake-On-LAN
- Supports VGA, 2 x 24-bit dual-channel LVDS or VGA+LVDS dual display
- 6 x serial port, 4 x SATA, 1 x CF card and 8-channel digital I/O port(4I/4O)



Specifications

System	
Processor	Onboard Intel® Atom™ 230 CPU 533MHz FSB
Chipset	Intel® 945GC + ICH7
Memory	2 x 240-pin DIMM socket, DDRII 533MHz up to 2GB
Hardware Monitor	Monitors CPU temperature, voltage and fan speed, supporting ACPI
Watchdog Timer	Software programmable supports 1~255 sec./min. timer system reset or interrupt
Expansion Interface	1 x PCI slot, the PCI device and 1-to-3 PCI expansion card are available
Storage	
IDE	N/A
Serial ATA	4 x Serial ATA 150MB/s interface
Floppy	N/A
CompactFlash	1 x CompactFlash Type I/II socket
DOC/DOM	N/A
I/O Interface	
USB	6 x USB2.0 port
Serial Port	6 x RS-232 (COM1 supports RS-232/422/485)
Parallel Port	1 x LPT
Keyboard/Mouse	1 x PS/2
GPIO	4 x GPI, 4 x GPO
Audio	Realtek ALC888 controller, supporting Speaker-out, Line-in and Line-out

Display	
Display Controller	Intel® 945GC integrated graphics controller, Intel fourth generation graphics engine, running at 400MHz. Shared video memory.
Display Memory	64MB shared memory
Resolution	VGA mode: up to 2048 x 1536@75Hz / LVDS mode: up to 1600 x 1200@60Hz
Display	Supports VGA, 2 x 24-bit dual-channel LVDS or VGA+LVDS dual display
Ethernet	
Ethernet Controller	1 x Intel® 82562ET Ethernet controller, supporting Wake-On-LAN
Speed	10/100/1000Mbps
Connector Interface	1 x RJ45
Mechanical and Environmental	
Dimensions	170.00mm x 170.00mm
Operating Temperature	0°C~60°C
Storage Temperature	-25°C~75°C
Operating	5%-90%, non-condensing
Power	
Power Supply	Supports ATX power supply
Power Consumption	+5V@ 1.24A; +5%/-3%; +3.3V@ 0.63A; +5%/-3%; +12V@ 1.12A; +5%/-3%;
Operating System	
Windows OS	DOS/ Windows 2000/ Windows XP
Embedded OS	Linux/XP Embedded/WINCE