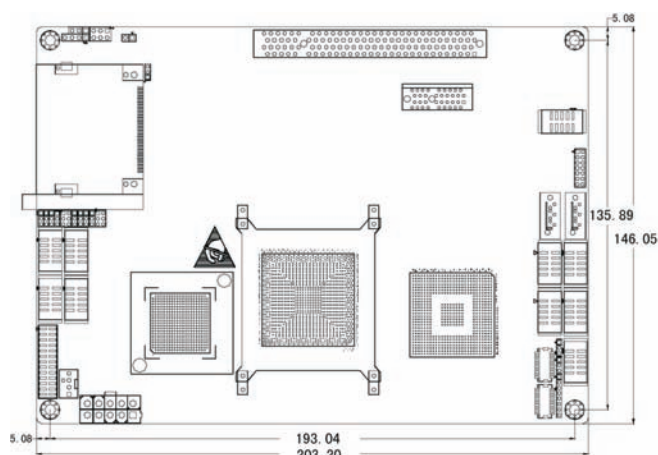
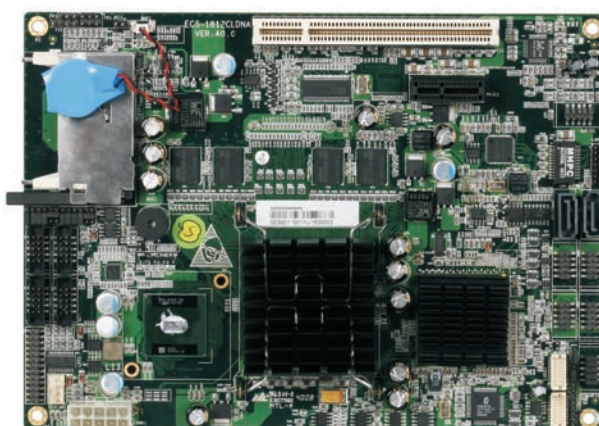
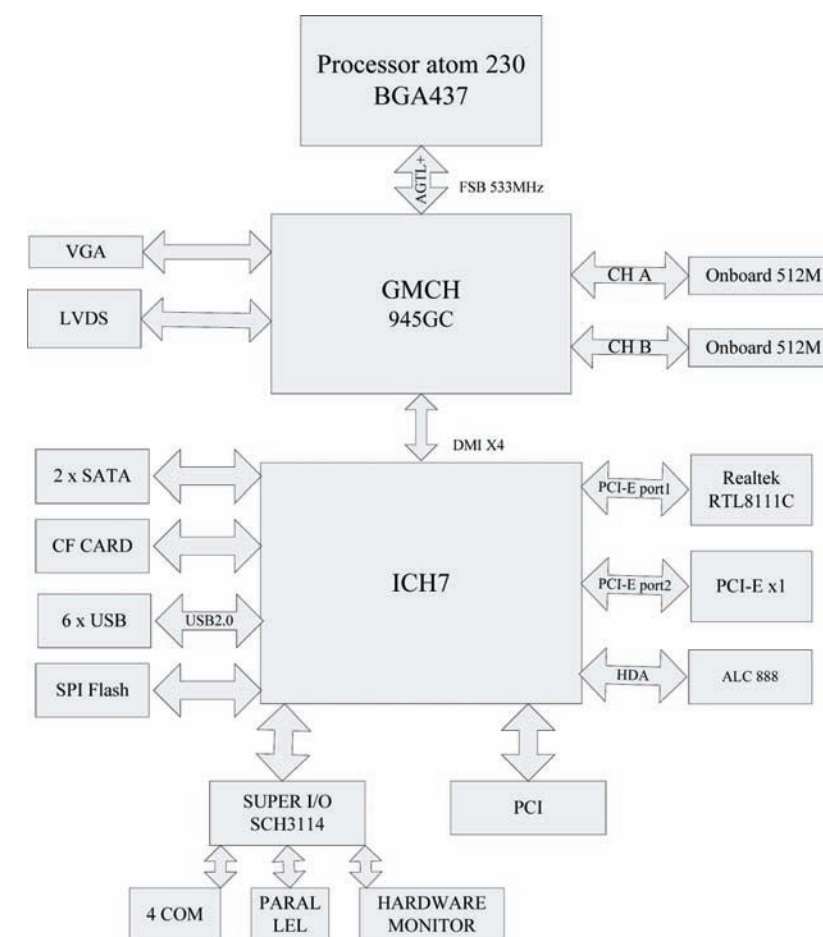


EC5-1812CLDNA

5.25" SBC with Atom™ 230 CPU and VGA/LVDS/CF/LAN/Audio



Board Diagram



Optional Accessories

| Part Number | Name | Description | Qty. |
|-------------|----------------------------------|--|------|
| 2192-010651 | Driver CD/Protective film/RoHS | EC5-1812CLDNA/ Ver: C00 | 1 |
| 2360-014891 | Power supply cable/RoHS | One male 20 Pin (2x10) port to female 10 Pin (2x5) connector (4.2mm pitch), length: 150mm/RoHS | 1 |
| 2360-012641 | VGA cable/RoHS | 2x5 Pin connector (2.0mm pitch) to 15P female right angle connector, length: 300mm/RoHS | 1 |
| 2360-002581 | Audio cable with bracket/RoHS | Three audio jacks to one 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS | 1 |
| 2360-014781 | Dual USB ports with bracket/RoHS | Two USB ports to one 10 Pin (2x5) connector (2.0mm pitch), length: 550mm/RoHS | 3 |
| 2360-018021 | SATAHDD cable/RoHS | SATA-7P(female)/with metal spring piece/L=550mm | 2 |
| 2360-000311 | Parallel port cable/RoHS | DB25 connector to 2x13 connector (2.0mm pitch), length: 160mm | 1 |
| 2360-011231 | Serial port cable/RoHS | DB9 connector to 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS | 4 |
| 2360-024341 | LAN cable/RoHS | RJ45 connector to 2x7 Pin (2.0mm pitch) connector, length: 300mm | 1 |
| 2330-000011 | Jumper/RoHS | 2.0mm pitch, black | 2 |

Ordering Information

| Part Number | Model Number | Description |
|-------------|--------------------|---|
| 0030-011001 | EC5-1812CLDNA/ROHS | 5.25" SBC with Atom™ 230 CPU and VGA/LVDS /CF/LAN/Audio |

Features

- 5.25" SBC Onboard Intel® Atom™ 230 1.6GHz CPU
- Onboard 1GB DDR2 533MHz memory
- Support 1 x VGA, 2 x 24-bit LVDS
- Support 1 x 10/100/1000Mbps Ethernet interface
- Support 6 x USB2.0, 4 x COM, 2 x SATA, 1 x CF, 1 x LPT, 1 x 8-bit DIO

Specifications

| System | |
|---------------------|--|
| Processor | Onboard Intel® Atom™ 230 1.6GHz processor |
| Chipset | Intel® 945GC + ICH7 |
| Memory | Onboard 1GB DDR2 533MHz memory |
| Hardware Monitor | Monitors system status, voltage, temperature and fan speed |
| Watchdog Timer | 1~255 sec./min. timer system reset or interrupt, setup by software |
| Expansion Interface | 1 x PCI-E x1, 1 x PCI |
| Storage | |
| IDE | N/A |
| Serial ATA | 2 x SATA |
| Floppy | N/A |
| CF | 1 x Compact Flash Type I/II socket |
| I/O Interface | |
| USB | 6 x USB2.0 |
| Serial Port | 2 x RS-232/422/485, 2 x RS232 |
| Parallel Port | 1 x LPT |
| IrDA | N/A |
| GPIO | 4 x DI, 4 x DO |
| Audio | Onboard ALC888 controller, Support Speaker-out, Line-in and Line-out |

| Display | |
|------------------------------|---|
| Display Controller | Intel® 945GC Integrated Graphics controller |
| Memory | 128MB shared memory |
| Resolution | VGA mode: up to 2048 x 1536 @75Hz LVDS mode: up to 1600 x 1200 @60Hz |
| Dual Display | VGA +LVDS dual display |
| Ethernet | |
| Chipset | 1 x RTL8111C |
| Speed | 10/100/1000Mbps |
| Connector | 1 x RJ 45 |
| Mechanical and Environmental | |
| Dimensions(L*W) | 203mm x 146mm |
| Operating Temperature | 0°C~60°C |
| Storage Temperature | -20°C~70°C |
| Operating Humidity | 5%-90%,non-condensing |
| Power | |
| Power Supply | ATX power supply |
| Power Consumption | N/A |
| Operating System | |
| Windows OS | Windows 2000/ Windows XP |
| Embedded OS | Linux/XP Embedded |

 1
PICMG

 2
EPIC/EBX
/XTX

 3
BoxPC

 4
HMI

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PICMG

 2
EPIC/EBX
/XTX

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BoxPC

 4
HMI