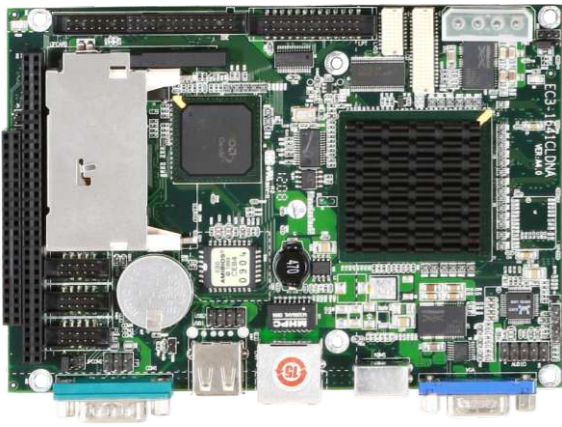


EC3-1641CLDNA

3.5" SBC with Onboard Lx800 with VGA/LVDS/LCD/LAN/AUDIO



Features

- 3.5" SBC with onboard AMD LX800 500MHz CPU
- Onboard 256MB DDR memory, up to 512MB(optional)
- Supports 1 x VGA, 1 x LVDS, 1 x LCD
- Supports 1 x Intel 10/100Mbps Ethernet interface
- Supports 3 x USB2.0, 4 x COM, 1 x LPT, 1 x IDE, 1 x PC/104, 1 x CF
- -5°C ~ 60°C, ultra small size, fanless design

Specifications

System

Processor	Onboard AMD Geode™ LX800 500MHz CPU, fanless design
Chipset	AMD Geode™ CS5536
Memory	Onboard 256MB DDR memory, up to 512MB(optional)
Hardware Monitor	Monitors CPU temperature, voltage and watchdog timer, etc.
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	1 x PC/104

Storage

IDE	1x 44-pin Ultra ATA 100 interface, supports two sets of IDE devices
Serial ATA	N/A
Floppy	N/A
CF	1 x CompactFlash Socket Type I/II
Flash storage	N/A

I/O Interface

USB	3 x USB2.0 port, available interfaces of one standard port and 1 x 9-Pin header onboard
Serial Port	1 x RS-232/422/485, 3 x RS232, available interfaces of 1x DB9 and 3 x 10-pin header on board
Parallel Port	1 x LPT
IrDA	N/A
GPIO	N/A
Audio	AC'97, available interfaces of Speaker-out, Line-in and Mic-in

Display

Chipset	AMD Geode™ LX800 integrated graphics controller
Memory	64MB shared memory
Resolution	VGA mode: up to 1600 x 1200@85Hz LCD mode: up to 1024 x 768@18/24bit LVDS mode: up to 1024 x 768@18bit
Dual Display	Supports VGA+LVDS, VGA+LCD, LVDS+LCD simultaneous dual-channel display

Ethernet

Chipset	1 x RTL8139D
Speed	10/100Mbps
Connector	1 x RJ45

Mechanical and Environmental

Dimensions	146mm x 102mm
Operating Temperature	-5°C ~ 60°C
Storage Temperature	N/A
Operating Humidity	5%~90%, non-condensing

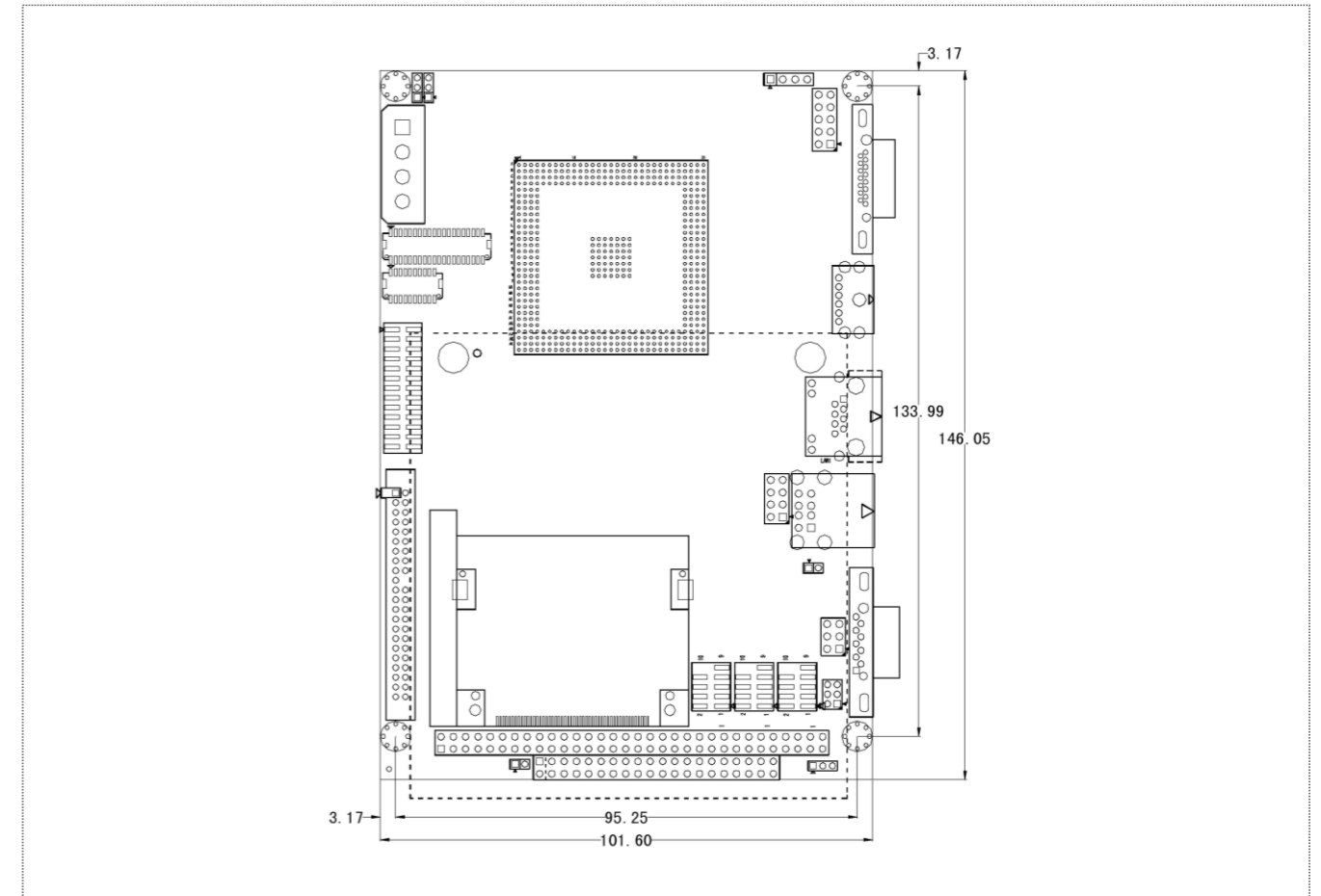
Power

Power Supply	AT 5V/12V DC input
Power Consumption	Typical 4.9W (AMD LX800 CPU, 256MB memory)

Operating System

Windows OS	Windows XP/ Windows 2000
Embedded OS	Linux/XP Embedded/Win CE

Dimensions



Packing List

1 x Driver CD/Protective film/RoHS (P/N:2192-012661)
1 x Audio cable/RoHS (P/N:2360-000841)
1 x Y-cable for keyboard and mouse/RoHS (P/N:2360-005031)
1 x HDD flat cable/RoHS (P/N:2360-008471)
1 x Dual USB cable with bracket/RoHS (P/N:2360-010841)
1 x Parallel port cable/RoHS (P/N:2360-011221)
3 x Serial port cable/RoHS (P/N:2360-011231)

Related Products

Item	Typical Recommendation
PC/104 Expansion Card	104-8COM, 104-32ADT, 104-64IO
Power Supply	AT or ATX

Ordering Information

Part Number	Model Number	Description
0030-006341	EC3-1641CLDNA	3.5" SBC/LX800 CPU/256M DDR memory/VGA+LVDS display/1 x IDE/1 x CF/1 x 100M/4 x USB/4 x RS-232/1 x LPT/1 x PS/2/1 x AC'97 audio card/RoHS

1

Embedded Boards & Industrial Computers

2

Embedded Systems

3

Communications & Network Application Platform

4

Rugged Computers

1

Embedded Boards & Industrial Computers

2

Embedded Systems

3

Communications & Network Application Platform

4

Rugged Computers