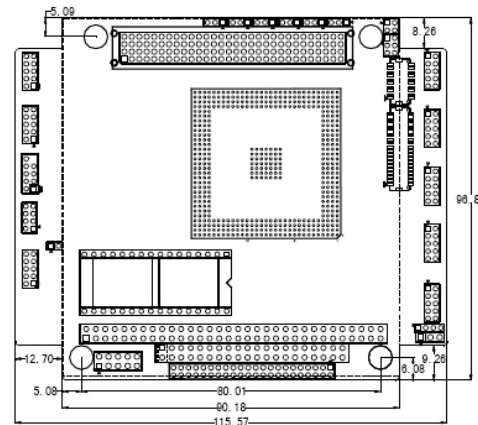# 104-1641CLDNA(B)

NEW

PC/104 SBC with CPU/Memory/LVDS/VGA /ADCII/LAN/Audio

RoHS   PC/104   Wide Temperature   CE   Memory On Board
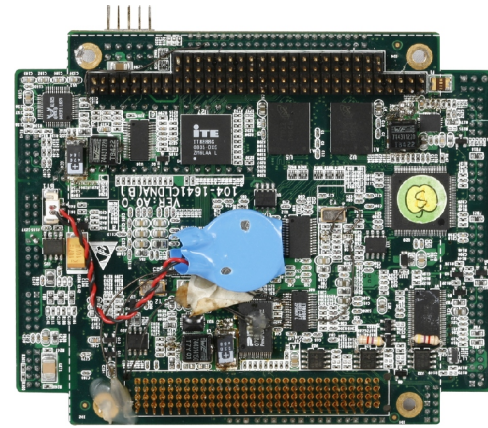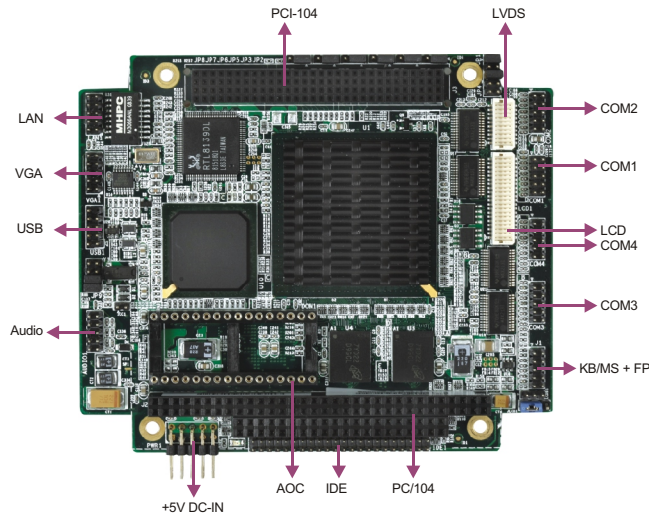
Features

- AMD LX800 500MHz CPU
- Onboard 256MB DDR memory
- Supports 1 x 10/100Mbps Ethernet interface
- Supports 2 x USB2.0, 1 x LPT, 4 x COM
- Supports VGA/LCD/LVDS dual-display

Specifications

System

Processor	AMD LX800 500MHz CPU
Chipset	AMD Geode™ CS5536
Memory	Onboard 256MB DDR memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1 255 seconds or 1 255 minutes
Expansion Interface	PC/104-Plus

Storage

IDE	1 x Ultra-ATA100 interface
Serial ATA	N/A
Floppy	N/A
CF	N/A
DOC/DOM	1 x AOC

I/O Interface

USB	2 x USB2.0 port
Serial Port	4 x RS-232(1 x RS-232/422/485,1 x RS-422/485)
Parallel Port	N/A
IrDA	N/A
GPIO	8-channel digital I/O TTL level interface
Audio	AC'97
Keyboard/Mouse	1 x PS/2

Display

Chipset	AMD GeodeTM CS5536
Memory	Integrated in Lx800, 16MBshared memory
Resolution	
Dual Display	VGA/LVDS/18/24-bit TTL, LCD

Ethernet

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

Mechanical and Environmental

Dimensions	116mm x96mm
Operating Temperature	-40℃~85℃
Storage Temperature	N/A
Operating Humidity	5%-90%, non-condensing

Power

Power Supply	Single 5V powersupply
Power Consumption	4.5W

Operating System

Windows OS	Windows XP
Embedded OS	Linux

Board Diagram
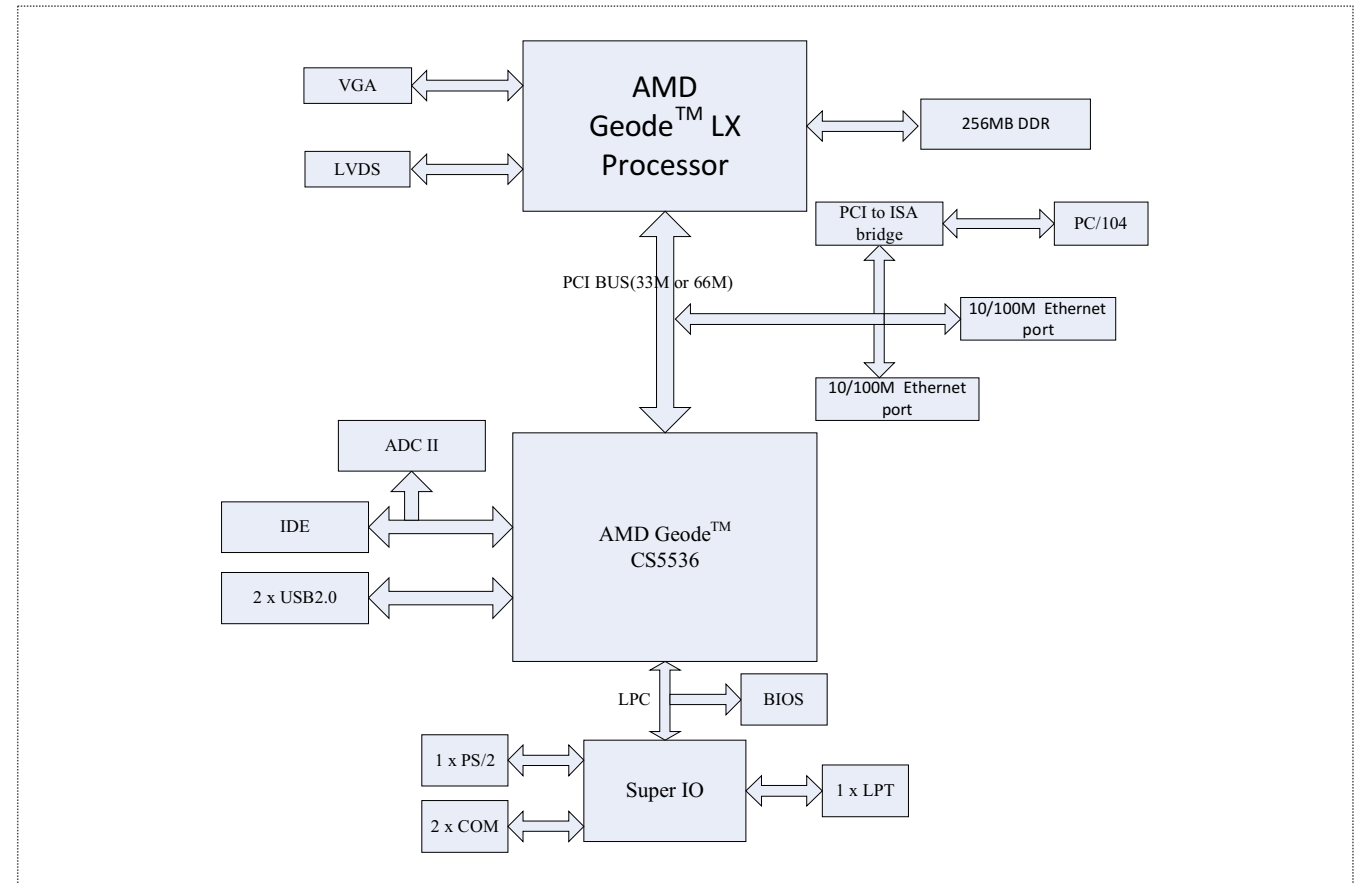
Available Accessories

Part Number	Name	Description	Qty.
——	Setup Guide/RoHS	AMI/BIOS Setup Guide (for Core/8)	1
2360-012641	VGA cable/RoHS	2x5 Pin connector (2.0mm pitch) to 15P female right angle connector, length: 300mm/RoHS	1
2360-012651	DC Power supply cable/RoHS	2x5 Pin connector to one male power 4 Pin (5.08mm pitch), length: 250mm/RoHS	1
2360-011231	Serial port cable/RoHS	DB9 connector to 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	4
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 10 Pin (2x5) connector (2.0mm pitch), length: 550mm/RoHS	1
2360-008781	HDD flat cable/RoHS	40 Pin to 44 Pin (2.0mm pitch), length: 550mm/RoHS	1
2360-017481	Multi-functional converter cable/RoHS	Buzzer reset button dual PS/2 connector to 2x5 Pin 2.0mm pitch female connector, length: 250mm	1
2360-002581	Audio cable with bracket/RoHS	Three audio jacks to one 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	1
——	Driver CD/Protective film/RoHS	Chinese and English/104-1641CLDNA(B)	1
——	User Manual/Chinese and English/RoHS	104-1641CLDNA(B)	1
2330-000011	Jumper/RoHS	Pitch: 2.0mm, black, sealed tail	6
0090-000201	LED panel/RoHS	P10-RJ45LED	1
1090-004411	LED panel(PCBA)/RoHS	P10-RJ45LED	1
2331-004681	Pin header/RoHS	2x5 Pin 2.0mm pitch	1
2331-006301	Network socket/RoHS	Straight pin RJ45-8P with indicator lamp/without spring piece	1
1090-500321	LED panel/related data/RoHS	P10-RJ45LED	1
2360-012771	Serial port cable/RoHS	2x5 Pin (2.0mm pitch) to 2x5 Pin (2.0mm) connector, length: 300mm	1

Ordering Information

Part Number	Model Number	Description
0030-011281	104-1641CLDNA(B)	Motherboard/RoHS
0030-011280	104-1641CLDNA(B)	Motherboard

2-33   The images are for reference only, and all product specifications are subject to change without notice.

The images are for reference only, and all product specifications are subject to change without notice.   2-34