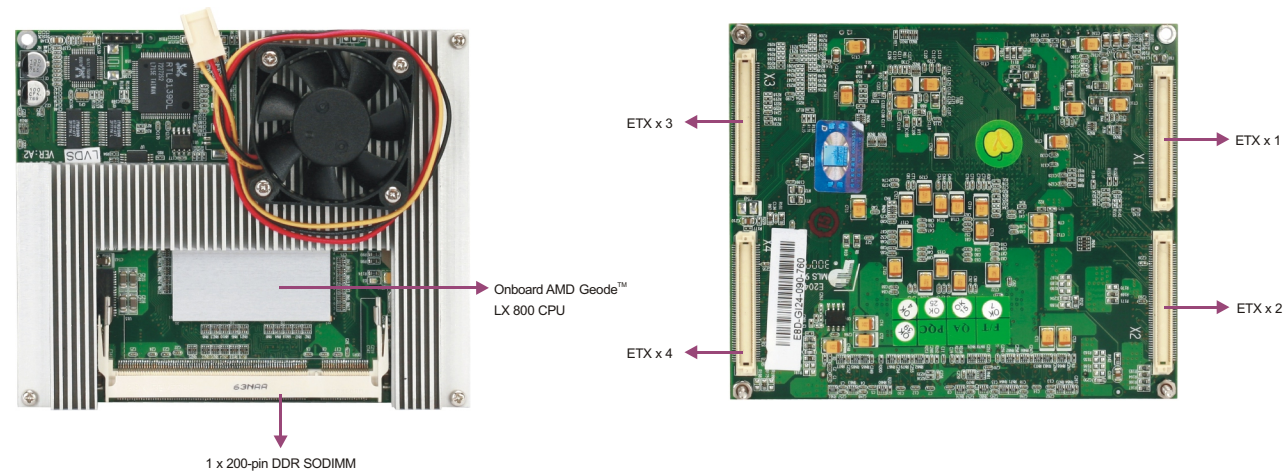
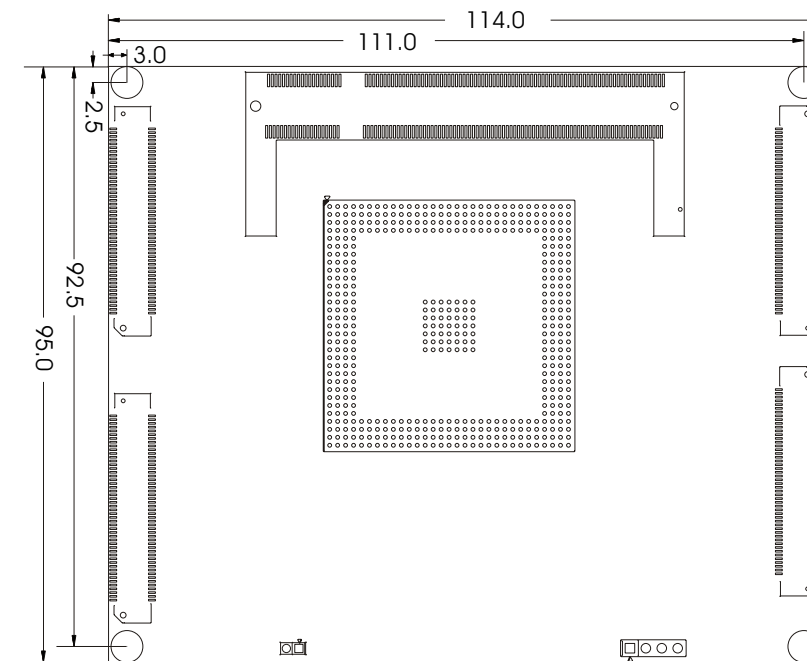


# ETX-1641CLDNA

ETX SBC with CPU/VGA/LVDS



## Board Diagram



1

Full-Size/Half-Size Slot CPU Cards

2

SBC/Motherboard/Modules

3

Embedded Box PC

4

Network Application Computers

5

Industrial PC

6

HMI

7

EVOC Rugged Series

8

MCC Series

9

Chassis

10

Data Acquisition Boards & Modules

11

Accessories

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## Features

- AMD Geode™ LX800 CPU with CS5536 chipset
- One SODIMM socket DDR 200/266MHz memory up to 1GB
- 1 x 10/100Mbps Ethernet controller, 4 x USB 2.0

## Specifications

System	
Processor	AMD Geode™ LX800, compliant with LX700/LX900 CPU
Chipset	AMD Geode™ LX800 + CS5536
Memory	1 x 200-pin DDR SODIMM, DDR 200/266MHz up to 1GB
Hardware Monitor	N/A
Watchdog Timer	Software programmable supports 1~255 sec./min. System reset/interrupt
Expansion Interface	PCI+ISA
Storage	
IDE	One ATA-100 IDE interface, supporting two IDE devices
Serial ATA	N/A
Floppy	N/A
CompactFlash	N/A
I/O Interface	
USB	4 x USB2.0
Serial Port	2 x COM
Parallel Port	1 x parallel port
IrDA	1 x IrDA
GPIO	N/A
Audio	AC' 97 Codec, Line-in, Line-out and Mic-in

Display	
Display Controller	Integrated in chipset, supporting VGA and LVDS display
Ethernet	
Ethernet Controller	One 10/100Mbps Ethernet controller, supporting Wake-On-LAN
Speed	10/100Mbps
Mechanical and Environmental	
Dimensions	95mm x 114mm
Operating Temperature	-20 C~60 C
Storage Temperature	-40 C~80 C
Operating Humidity	5%~90%, non-condensing
Power	
Power Supply	Supports AT/ATX power supply
Power Consumption	N/A
Operating System	
Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux/Windows CE/XP Embedded
Carrier Board(Optional)	
Model	EDB-ETX02 (ETX 3.02 SBC)
Expansion Bus	N/A
Network	1 x RJ45 interface
Storage	1 x IDE port
I/O Interface	1 x parallel port, 1 x RS-232, 1 x RS-232/422/485 serial port; 1 x PS/2, 4 x USB 2.0
Operating Temperature	-20 C~60 C

## Available Accessories

Part Number	Name	Description	Qty.
—	Driver CD/Protective film/RoHS	ETX-1641CLDNA	1
2360-008331	HDD flat cable/RoHS	DMA66/HDD/CABLE/40P/80-line/length: 450mm	1
2360-009931	Serial port with bracket cable/RoHS	DB9 connector to 2x5 Pin, length: 265mm/RoHS	1
—	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE/8)	1
—	User's Manual/RoHS	ETX-1641CLDNA	1

## Ordering Information

Part Number	Model Number	Description
0030-006320	ETX-1641CLDNA	Motherboard
0030-006321	ETX-1641CLDNA	Motherboard/RoHS
0030-007190	ETX-1641CLDNA-LVDS/Conformal coating	Motherboard/LVDS/conformal coating
0030-002400	ETX-1641CLDNA/LVDS	Motherboard/LVDS
0030-007170	ETX-1641CLDNA/Conformal coating	Motherboard/conformal coating
0030-007171	ETX-1641CLDNA/Conformal coating	Motherboard/conformal coating/RoHS
—	EDB-ETX02	Backplane