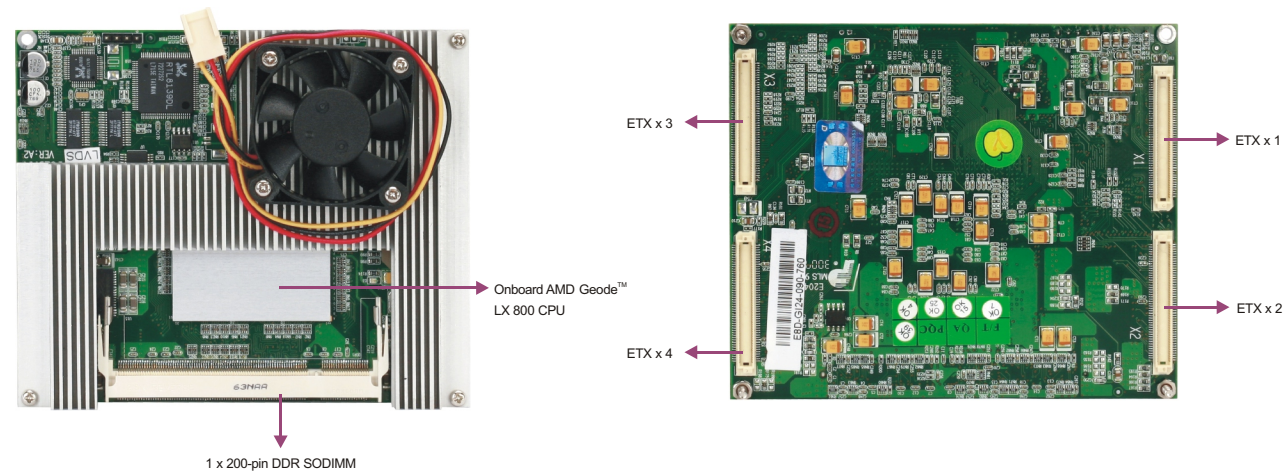
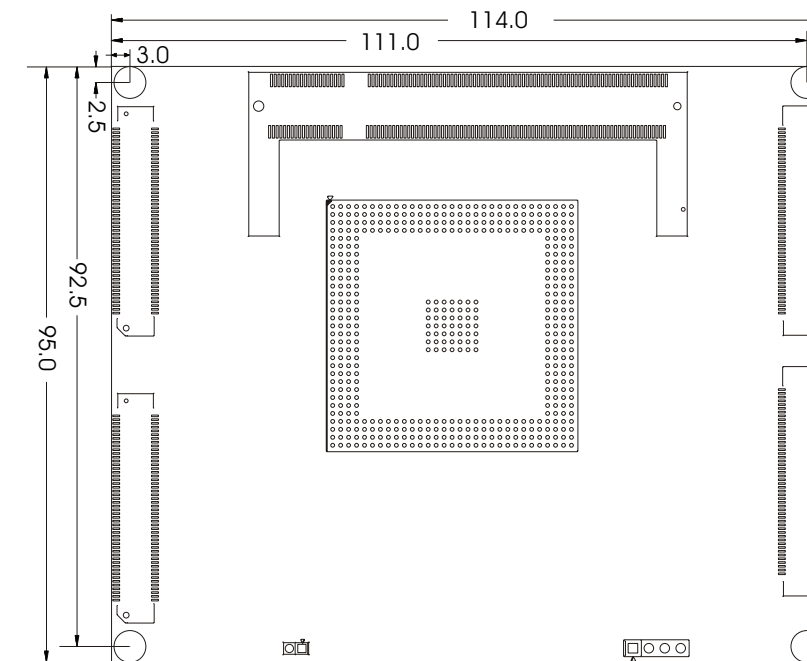


ETX-1641CLDNA

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 | |
| 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 |