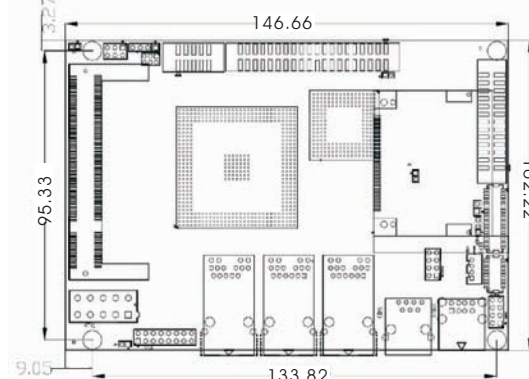
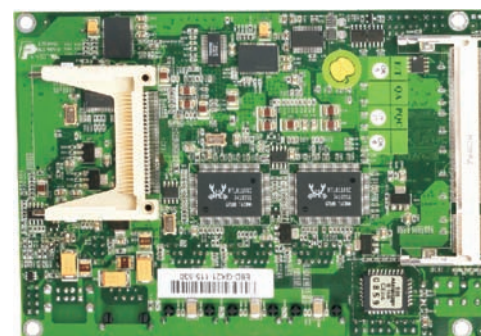
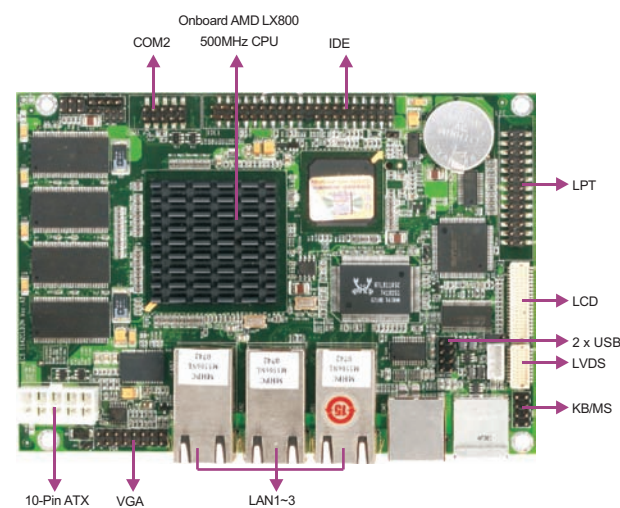


# EC3-1642CLD3N

3.5" SBC with CPU and LCD/VGA/SSD/3LAN



## Features

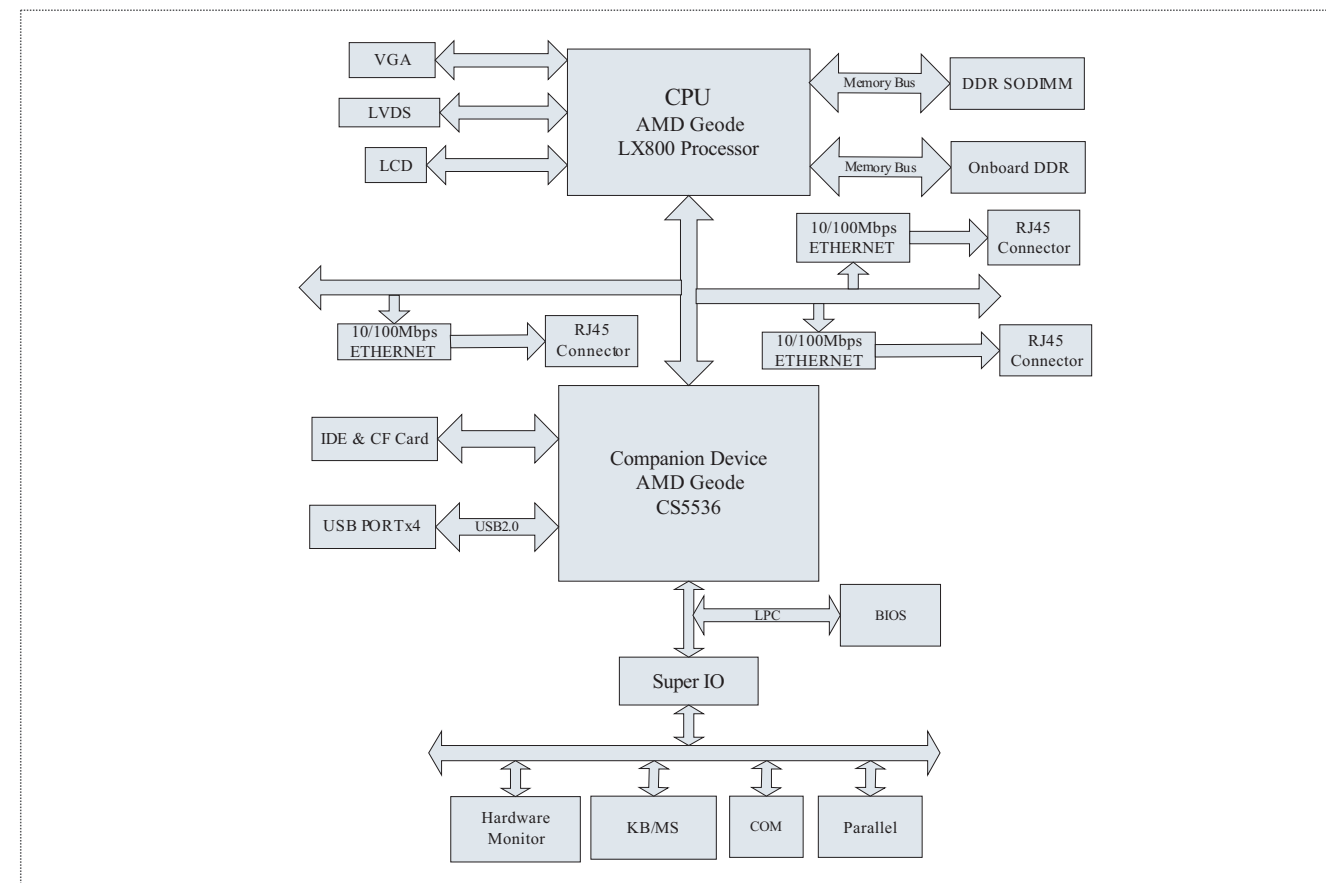
- Onboard AMD Geode™ Lx 800 500MHz CPU (compatible with LX700/900)
- Supports up to 1GB DDR memory
- 10/100/1000Mbps Ethernet controller
- Supports VGA/18/24-bit TTL/LVDS

## Specifications

System	
Processor	AMD Geode™ LX800 CPU
Chipset	Cs5536
Memory	Onboard 256MB, DDR DRAM, onboard expandable up to 512MB. 1 x 200-pin SODIMM socket, DDR 266MHz up to 1GB
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Storage	
IDE	1 x ATA 100 port supporting 2 x IDE device
Serial ATA	N/A
Floppy	N/A
CompactFlash	1 x CompactFlash socket
DOC/DOM	N/A
I/O Interface	
USB	3 x USB2.0
Serial Port	2 x RS-232, one of which is RJ45 interface
Parallel Port	1 x LPT
IrDA	N/A
GPIO	N/A
Audio	N/A

Display	
Display Controller	Integrates Geode™ LX800 chip
Display Memory	16MB shared memory
Resolution	N/A
Dual Display	VGA+LCD, VGA+LVDS dual display
Ethernet	
Ethernet Controller	3 x 10/100/1000 Mbps Ethernet controller
Speed	10/100/1000 Mbps
Connector Interface	3 x RJ45
Mechanical and Environmental	
Dimensions	146mm x 102mm
Operating Temperature	0°C~60°C (-40°C~70°C can be ordered)
Storage Temperature	N/A
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	+5V ATX power supply
Power Consumption	Typical 4.9W (AMD LX800 CPU 256MB memory)
Operating System	
Windows OS	Windows2000/Windows XP
Embedded OS	Linux/XP Embedded
Certification	
	CE, RoHS

## Board Diagram



## Available Accessories

Part Number	Name	Description	Qty.
—	Driver CD/Protective film/RoHS	EC3-1642CLD3N	1
2330-000011	Jumper/RoHS	2.0mm pitch	4
2330-000041	Jumper/RoHS	2.54mm pitch, blue	4
2360-000831	Y-cable for keyboard and mouse/RoHS	PS/2 port connector to 2x4 Pin, length: 300mm/RoHS	1
2360-000851	VGA cable/RoHS	VGA connector to 2x8 Pin, length: 220mm/RoHS	1
2360-009081	Parallel flat cable/RoHS	40P/Hard disk/Data/Cable/DMA33/150/350	1
2360-010011	Serial cable/RoHS	DB9 connector to 2x5 Pin, length: 265mm/RoHS	1
2360-010161	Parallel port cable with bracket/RoHS	DB25 connector to 2x13 Pin, length: 265mm/RoHS	1
2360-010841	Dual USB ports with bracket/RoHS	Two USB ports to one 2x4 Pin, connector (2.54mm pitch), length: 300mm/RoHS	1
2360-014891	Power cable/RoHS	One male 20 Pin (2x10) port to female 2x5 Pin connector (4.2mm pitch), length: 150mm/RoHS	1
—	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE8)	1
—	User's Manual/RoHS	EC3-1642CLD3N	1

## Ordering Information

Part Number	Model Number	Description
0030-011581	EC3-1642CLD3N/English version	Motherboard/RoHS/English version
0030-006350	EC3-1642CLD3N	Motherboard
0030-010631	EC3-1642CLD3N/TC/Conformal coating	Motherboard/RoHS/TC/Conformal coating
0030-008510	EC3-1642CLD3N/with AT converter cable	Motherboard/with AT converter cable
0030-007310	EC3-1642CLD3N/Conformal coating	Motherboard/Conformal coating
0030-007311	EC3-1642CLD3N/Conformal coating	Motherboard/RoHS/Conformal coating
0030-011580	EC3-1642CLD3N/English version	Motherboard/English version