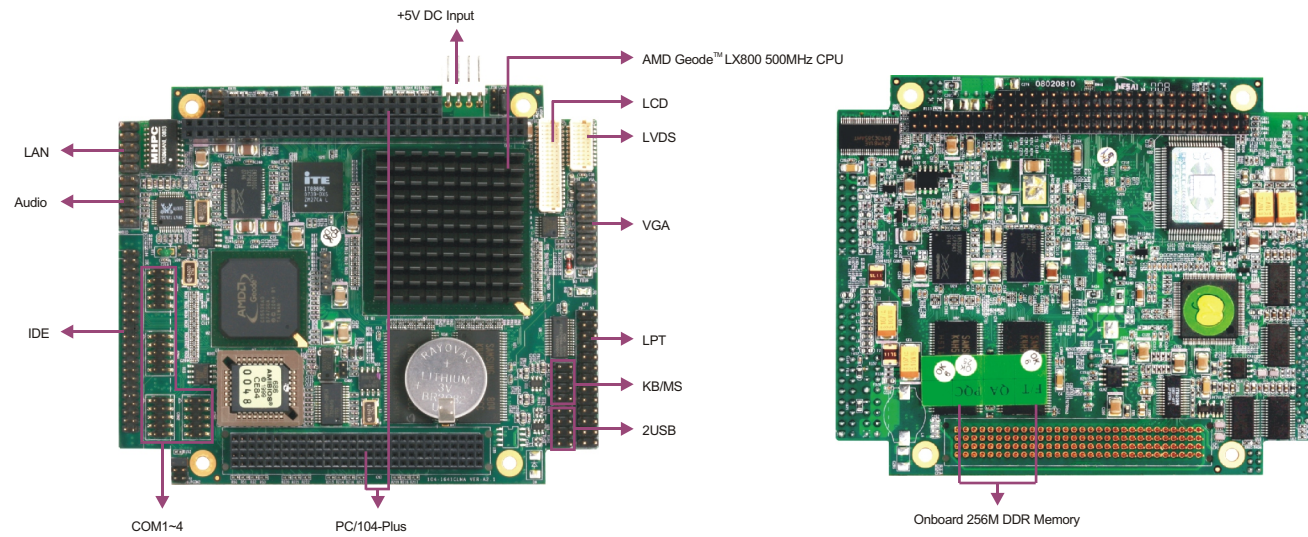


# 104-1641CLNA

PC/104 SBC with AMD Geode™ CPU/Memory and LCD/VGA/LAN/Audio



## Features

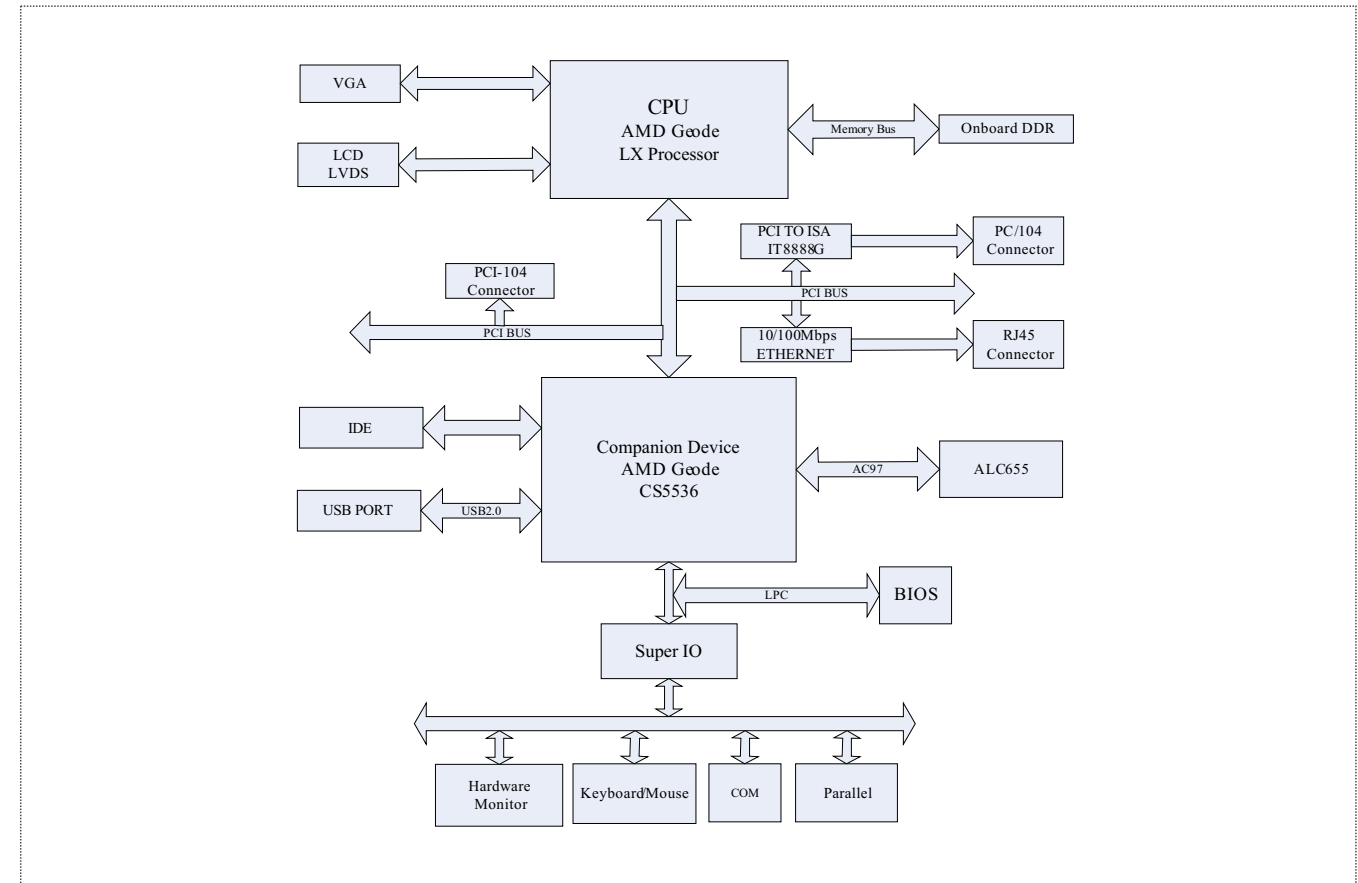
- Onboard AMD Geode™ LX800 CPU (compatible with LX700/LX900)
- Up to 256MB onboard DDR memory
- 10/100Mbps Ethernet controller
- Supports VGA/LVDS/18/24-bit TTL, and EL screen
- AC'97 audio
- +5V single power supply

## Specifications

System	
Processor	Onboard AMD Geode™ LX800 CPU (compatible with LX700/LX900)
Chipset	Cs5536
Memory	Onboard 128/256MB DDR DRAM memory (optional)
Hardware Monitor	N/A
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	PC/104-Plus
Storage	
IDE	1 x Ultra DMA33 interface, supporting 2 x IDE device
Serial ATA	N/A
Floppy	N/A
CompactFlash	N/A
DOC/DOM	N/A
I/O Interface	
USB	2 x USB2.0
Serial Port	3 x RS-232, 1 x RS232/RS422/RS485
Parallel Port	N/A
IrDA	N/A
Audio	AC'97 compliant

Display	
Display Controller	AMD Geode™ LX800 integrated
Display Memory	16MB shared memory
Resolution	VGA mode: upto 1280 x 1024@256 colors
Dual Display	VGA+LCD, VGA+LVDS dual display
Ethernet	
Ethernet Controller	Realtek RTL8100B 10/100M Ethernet controller
Speed	10/100Mbps
Connector Interface	1 x RJ45
Mechanical and Environmental	
Dimensions	115.5mm x 96mm
Operating Temperature	0°C~60°C (optional -25°C~70°C)
Storage Temperature	-40°C~80°C
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	Single +5V DC AT power supply
Power Consumption	Typical 5.7W (AMD LX800, 256MB)
Operating System	
Windows OS	Windows XP
Embedded OS	Linux/XP Embedded/Wince
Certification	
	CE, RoHS

## Board Diagram



## Available Accessories

Part Number	Name	Description	Qty.
—	Driver CD/Protective film/RoHS	104-1641CLNA	1
2330-000011	Jumper/RoHS	2.0mm pitch	4
2360-000831	Y-cable for keyboard and mouse/RoHS	PS/2 port connector to 2x4 Pin, length: 300mm/RoHS	1
2360-000841	Audio cable/RoHS	Three audio jacks to one 2x5 Pin, length: 220mm/RoHS	1
2360-000851	VGA cable/RoHS	VGA connector to 2x8 Pin, length: 220mm/RoHS	1
2360-005051	Parallel port cable/RoHS	Parallel port cable, DB25 connector to 26 Pin, length: 300mm/RoHS	1
2360-006641	LAN cable/RoHS	RJ45 connector to 2x5 Pin, length: 150mm/RoHS	1
2360-008781	HDD cable/RoHS	40 Pin to 44 Pin (2.0mm pitch), length: 550mm/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
2360-011231	Serial port cable/RoHS	DB9 connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	4
2391-002141	Nut/RoHS	M3/GB-T6170-1986/nickel plating	4
2391-004631	Copper hex bolts/RoHS	M3x25-4/CH-M3-25-4-Ni	4
—	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE8)	1
—	User's Manual/RoHS	104-1641CLNA	1

## Ordering Information

Part Number	Model Number	Description
0030-011560	104-1641CLNA/English version	Motherboard/English version
0030-005970	104-1641CLNA	Motherboard
0030-005971	104-1641CLNA	Motherboard/RoHS
0030-010471	104-1641CLNA/TC/Conformal coating	Motherboard/RoHS/TC/Conformal coating
0030-011561	104-1641CLNA/English version	Motherboard/RoHS/English version