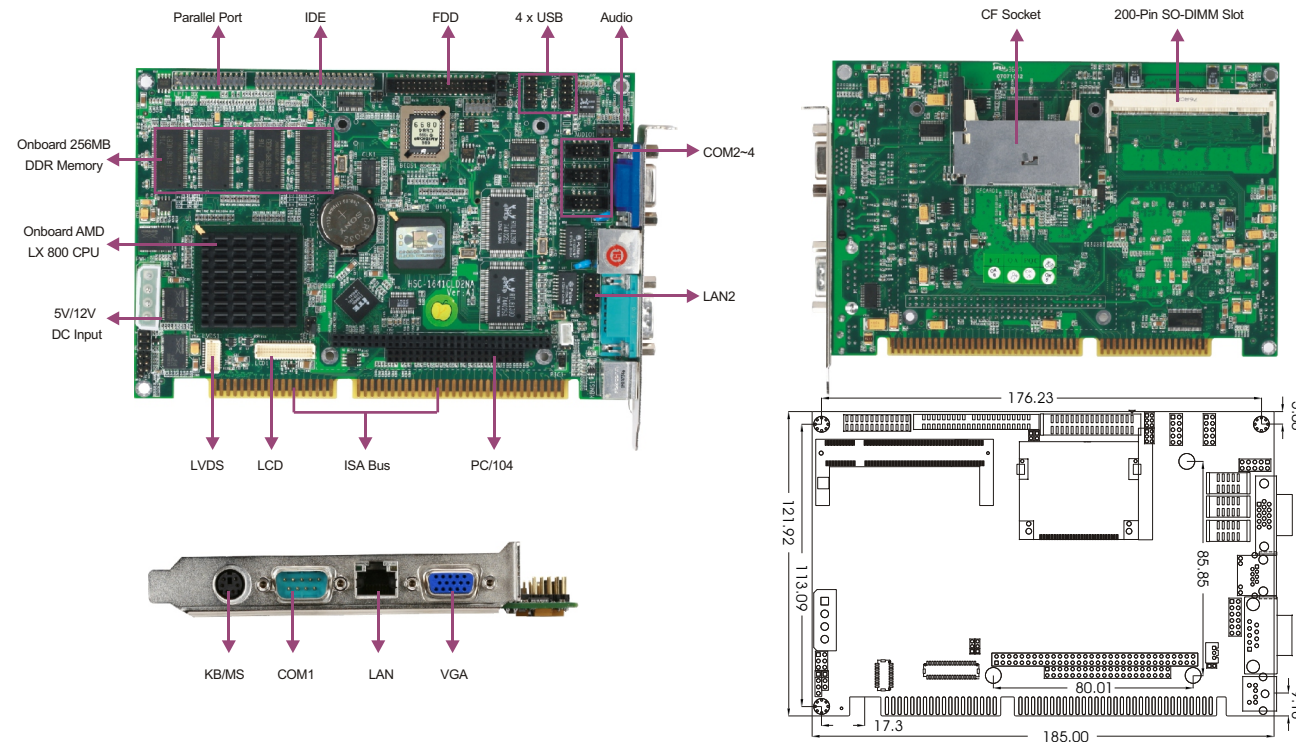


HSC-1641CLD2NA

Half-Size ISA-Bus CPU Card with LX800 Processor/Memory/LCD/LVDS/VGA/CF/2LAN/Audio



Features

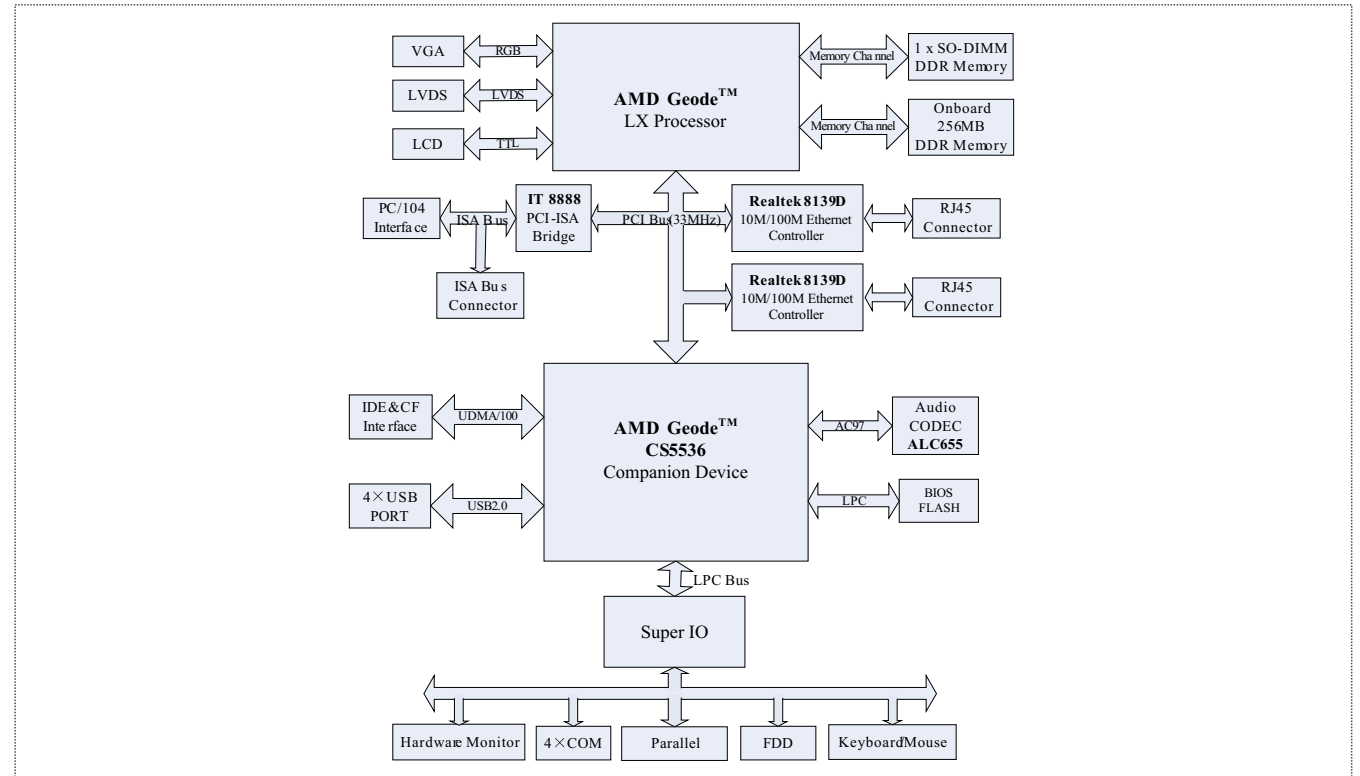
- Half-Size ISA-Bus CPU Card
- Onboard AMD LX800 processor at 500MHz
- Onboard 256MB DDR system memory and 1 x 200-Pin SO-DIMM Slot
- Onboard 2 x Realtek 10/100Mbps Ethernet controller
- Supports 1 x FDD, 4 x USB2.0, 1 x LPT, 4 x COM, 1 x IDE, 8 x GPIO
- Supports VGA, LCD and LVDS dual display

Specifications

System	
Processor	Onboard AMD LX800 processor, frequency of 500MHz, Fanless design
Chipset	AMD CS5536
Memory	Onboard 256MB DDR memory, supporting 1 x 200-pin SO-DIMM, up to 1GB of DDR 333/400 memory
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	ISA-Bus, PC/104
Storage	
IDE	1 x Ultra ATA33/66/100 interface
Serial ATA	N/A
Floppy	1 x FDD
CF	1 x CompactFlash Socket Type I/II
DOC/DOM	N/A
I/O Interface	
USB	4 x USB2.0 Port, available interface of 2 x 9-pin header onboard
Serial Port	2 x RS-232, 2 x RS-232/422/485, available interfaces of 1 x DB9 and 3 x 10-pin header onboard
Parallel Port	1 x LPT
IrDA	N/A
GPIO	4 x GPI, 4 x GPO
Audio	AC'97, available interface of Speaker-out, Line-in and Mic-in
Keyboard/Mouse	1 x PS/2

Display	
Chipset	AMD LX800 integrated graphics controller
Memory	64MB shared system memory
Resolution	VGA mode up to 1600 x 1200@85Hz LCD mode up to 1024 x 768@18/24bit LVDS mode up to 1024 x 768@18bit
Dual Display	Supports VGA + LVDS, VGA+LCD and LVDS+LCD dual-channel simultaneous display
Ethernet	
Chipset	2 x Realtek 8139D
Speed	10/100Mbps
Connector	1 x RJ45 and 1 x 12-pin header onboard
Mechanical and Environmental	
Dimensions	185mm x 122mm
Operating Temperature	0°C~60°C (optional -15°C~65°C)
Storage Temperature	N/A
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	Supports AT power supply
Power Consumption	6.7W(AT Power supply)
Operating System	
Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux

Board Diagram



Available Accessories

Part Number	Name	Description	Qty.
2330-000011	Jumper/RoHS	2.0mm pitch	4
2360-002571	Dual USB ports with bracket/B4/RoHS	Two USB ports to one 2x5 Pin, length: 210mm/RoHS	1
2360-005031	Y-cable for keyboard and mouse/RoHS	One mini-DIN port to two PS/2 ports, length: 250mm/RoHS	1
2360-008781	HDD cable/RoHS	40 Pin to 44 Pin (2.0mm pitch), length: 550mm/RoHS	1
2360-009451	FDD flat cable/RoHS	(34p-34p-34p) connector (2.0mm pitch), length: 455mm/RoHS	1
2360-011141	Audio cable with bracket/RoHS	Three audio connectors with bracket to 2x5 Pin, length: 300mm	1
2360-011221	Parallel port cable/RoHS	DB25 connector to 2x13 Pin connector (2.0mm pitch), length: 300mm/RoHS	1
2360-011231	Serial port cable/RoHS	DB9 connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	3
2360-014861	LAN cable/RoHS	RJ45 socket to 2x4 Pin connector, length: 300/EC3-1712CLDNA	1
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
N/A	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE8)	1
N/A	User's Manual/RoHS	HSC-1641CLD2NA	1
N/A	Driver CD/Protective film/RoHS	HSC-1641CLD2NA	1

Related Product

Item	Typical Recommendation
6-slot Chassis+Backplane	IPC-6806S + IPC-6106
4U Chassis+Backplane	IPC-815H + IPC-6108
PC/104 Expansion card	104-8COM,104-32ADT,104-64IO,104-4LAN
Power Supply	AT or ATX, available 160W/270W

Ordering Information

Part Number	Model Number	Description
0030-001000	HSC-1641CLD2NA	Motherboard

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

EVOG Rugged Series

8

MOC Series

9

Chassis

10

Data Acquisition Boards & Modules

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