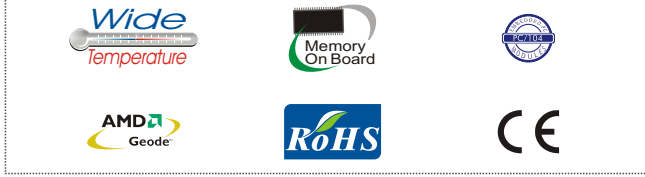
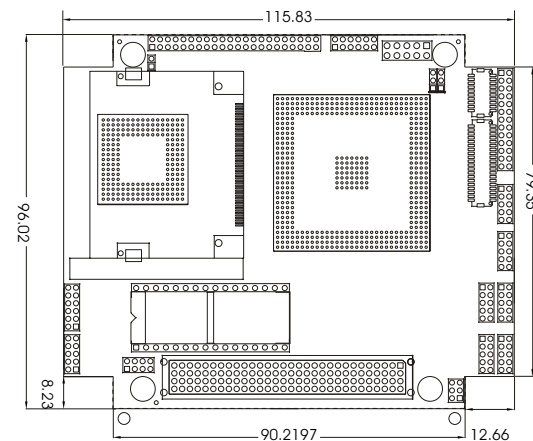
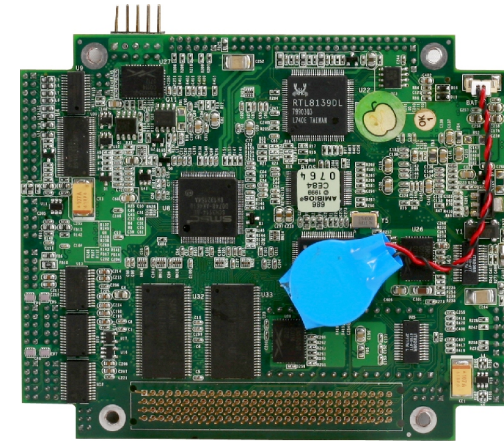
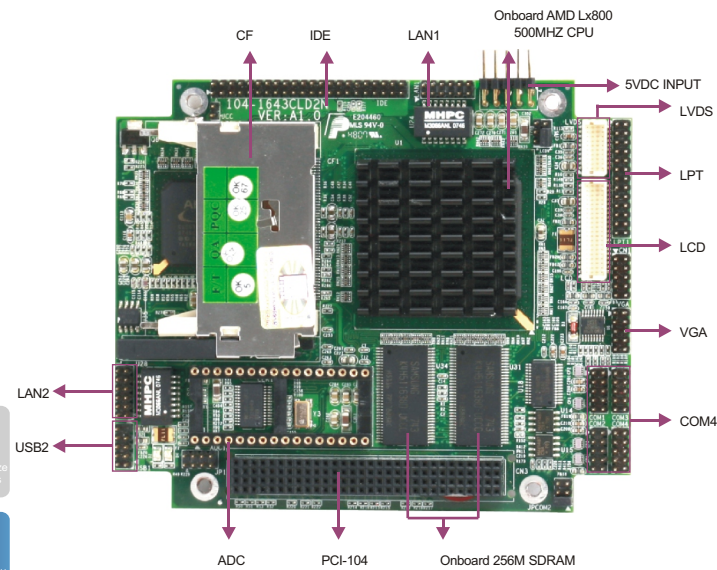


104-1643CLD2N

P3 Series SBC with CPU/Memory/LCD/VGA/SSD/2LAN



Features

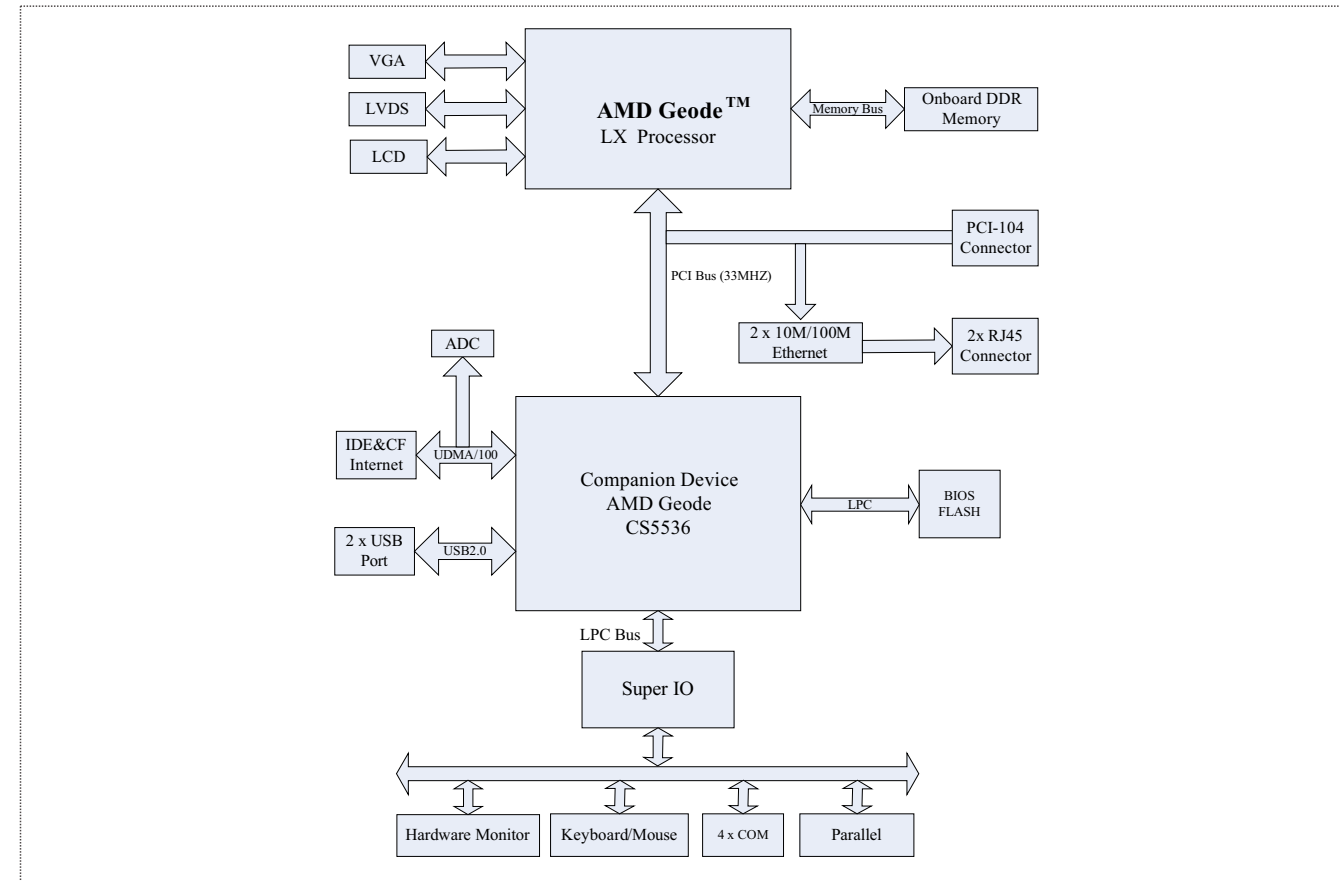
- Onboard AMD LX800 500MHz CPU
- Supports onboard 256MB DDR memory
- Supports 2 x 10/100M Ethernet interface
- Supports 2 x USB2.0, 4 x COM, 1 x IDE, 1 x CF, 1 x ADC
- Supports VGA&18/24-bit TFT LCD & LVDS

Specifications

System	
Processor	Onboard AMD LX800 500MHz CPU
Chipset	AMD Geode™ CS5536
Memory	Onboard 256MB DDR memory
Watchdog Timer	Monitors CPU temperature, voltage and watchdog timer
Hardware Monitor	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	PCI-104
Storage	
IDE	1 x Ultra ATA33/66/100 interface
Serial ATA	N/A
CF	1 x CompactFlash Socket Type I/II
DOC/DOM	1 x ADC
I/O Interface	
USB	2 x USB2.0 port, available interface of 9-Pin header onboard
Serial Port	3 x RS-232, 1 x RS-232/422/485
Parallel Port	1 x LPT
IrDA	N/A
Audio	N/A

Display	
Chipset	AMD Geode™ LX800 integrated graphics processor
Memory	8MB 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 LVDS+CRT, LVDS+TTL LCD dual display
Ethernet	
Chipset	RTL8139DL
Speed	10/100Mbps
Connector	2 x LAN port, available interface of 9-Pin header onboard
Mechanical and Environmental	
Dimensions	115mm x 96mm
Operating Temperature	-40°C~85°C
Storage Temperature	N/A
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	Single +5V. Supports AT power supply
Power Consumption	Typical 4.6W (AMD LX800 500Mhz, 256MB memory)
Operating System	
Windows OS	Windows XP
Embedded OS	Linux/XP Embedded

Board Diagram



Available Accessories

Part Number	Name	Description	Qty.
0090-000980	LED panel	P12-RJ45LED	2
2360-008781	HDD cable/RoHS	40 Pin to 44 Pin (2.0mm pitch), length: 550mm/RoHS	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	4
2360-012641	VGA cable/RoHS	VGA connector to 2x5 Pin connector (2.0mm pitch), length: 300mm/RoHS	1
2360-012651	Power cable/RoHS	One male power 4 Pin (5.08mm pitch) connector to 2x5 Pin, length: 250mm/RoHS	1
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 2x5 Pin connector (2.0mm pitch), length: 550mm/RoHS	1
2360-017471	Parallel flat cable/RoHS	Two ports 2x6 Pin connector (2.0mm pitch), length: 250mm	2
2360-017481	Multi-functional converter cable/RoHS	Buzzer reset button dual PS/2 connectors to 2x5 Pin 2.0mm pitch female connector, length: 250mm	1
—	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE8)	1
—	Driver CD/Protective film/RoHS	104-1643CLD2N	1
—	User's Manual/RoHS	104-1643CLD2N	1

Related Product

Item	Typical Recommendation
PC/104 Expansion card	104-1643CLD2N+104-P4COM

Ordering Information

Part Number	Model Number	Description
0030-001080	104-1643CLD2N	Motherboard
0030-010491	104-1643CLD2N/TC/Conformal coating	Motherboard/RoHS/TC/Conformal coating

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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