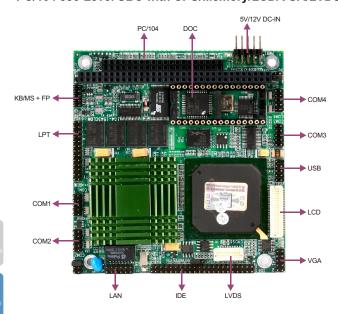
PC/104 Embedded SBC | 104 Form Factor Motherboard

PC/104 Embedded SBC | 104 Form Factor Motherboard

104-1543CLDN

PC/104 586-Level SBC with CPU/Memory/LCD/VGA/LVDS/SSD/LAN













Features

- PC/104 form factor
- Onboard Low-Power NS GX1 300MHz processor
- Onboard 128MB system memory
- Onboard one 10/100Mbps Ethernet controller Four serial ports, one parallel port, two USB ports
- Supports U-disk hot-swap in DOS mode
- Supports VGA and 18-bit LCD/LVDS

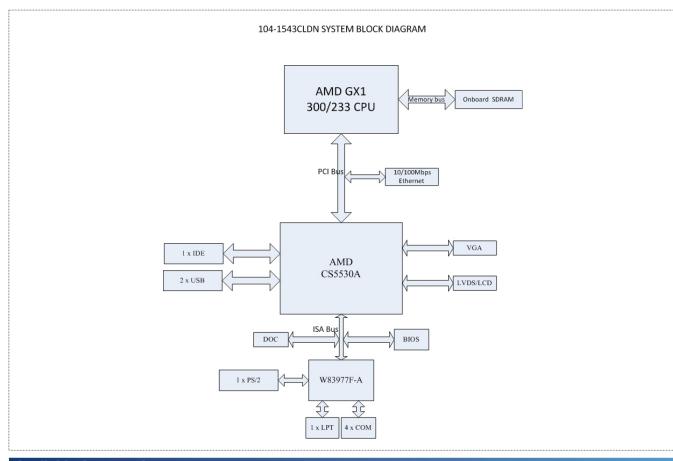
Specifications

System		
Processor	Onboard Low-Power NS GX1 300MHz processor, external bus frequency 33MHz	
Chipset	CS5530A	
Memory	Onboard 128MB system memory	
Watchdog Timer	Software programmable supports 1~255 sec./min. System reset/interrupt	
Expansion Interface	ISA bus, standard PC/104 bus interface	
Storage		
DE DOC/DOM	1 x ATA100 IDE interface, supporting two IDE devices 1 x DIP32 DOC ADC [[
/O Interface		
JSB	One onboard USB header providing two extra ports	
Serial Port	4 x serial port, COM2 supports RS232/422/485	
Parallel Port	1 x LPT	
Keyboard/Mouse	1 x PS/2	

Chipset	The chipset integrates graphics controller	
Memory	Shared system memory, 1.5-4MB SDRAM video memory	
Display	Supports VGA, 18-bitLCD/LVDS display, and ELscreen. Progressive scan CRT monitor, resolution upto 1280 x 1024 with 256 colors. Supports active matrix TFT color display, resolution up to 1280 x 1024	
Ethernet		
Chipset	Realtek RTL8139DL Ethernet controller	
Speed	10/100Mbps	
Connector	Connects to Internet through specific transfer cable	
Mechanical and En	vironmental	
Dimensions	96mm x 90mm	
Operating Temperature	-40℃~85℃	
Operating Humidity	5%-90%,non-condensing	
Power		
Power Supply	+5V single powersupply	
Power Consumption	Typical 4.5W (NSGX1 300MHz , 128MBmemory)	
Operating System		
Operating System	DOS/WinCE 4.0/Windows NT4.0/Windows 98SE	

D0C1

Board Diagram



David Marrish an	Name	Description	Qty.
Part Number	Nume	Description	Qty.
2192-003821	Driver CD/Pressed film/RoHS	104-1543CLDN/VER: A1	1
2330-000011	Jumper/RoHS	2.0mm pitch	4
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 26-pin (2x13) connector (2.0mm pitch), length: 300mm/RoHS	1
2360-011231	Serial port cable/RoHS	DB9 connector to 10-pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	4
2360-012641	VGA cable/RoHS	VGA connector to 10-pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	1
2360-012651	Power cable/RoHS	One male power 4-pin (5.08mm pitch) connector to 10-pin (2x5), length: 250mm/RoHS	1
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 10-pin (2x5) connector (2.0mm pitch), length: 550mm/RoHS	1
2360-017471	Parallel flat cable/RoHS	Two ports 2x6-pin connector (2.0mm pitch), length: 250mm	1
2360-017481	Multi-functional Conversion cable/RoHS	Buzzer reset button dual PS 2 connectors to 2x5-pin 2.0mm pitch female connector, length: 250mm	1
2412-000311	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE/7) former/VER: A0	1
2413-005451	User's Manual/Chinese/RoHS	104-1543CLDN/VER: A1	1

Ordering Information				
Part Number	Model Number	Description		
0030-001030	104-1543CLDN	Motherboard		
0030-004420	104-1543CLDN/Conformal coating	Motherboard/Conformal coating		
0030-010541	104-1543CLDN/TC/Conformal coating	Motherboard/RoHS/TC/Conformal coating		



















