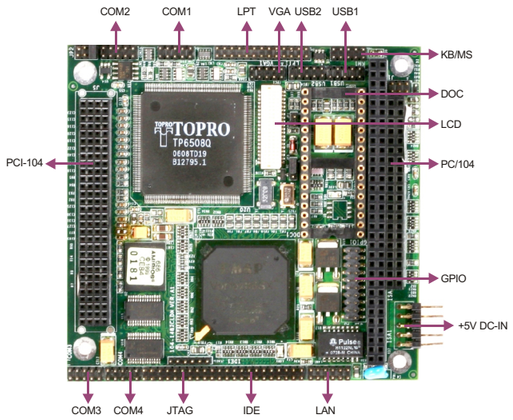
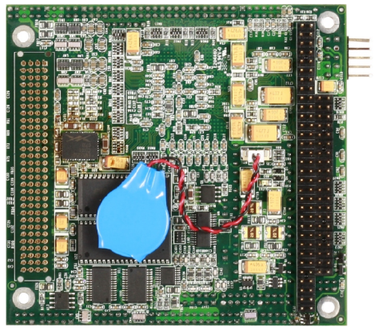
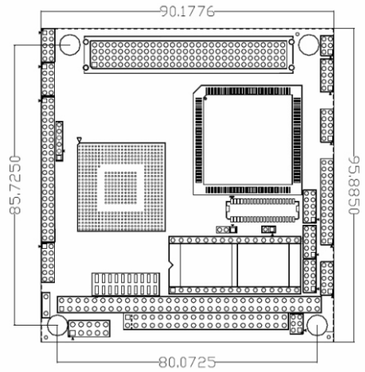
104-1482CLDN

PC/104 486-Level SBC with CPU/Memory/LCD/VGA/SSD/LAN







Features

- PC/104 form factor
- Onboard Vortex86SX 300MHz processor
- Onboard 64MB system memory
- Onboard one 10/100Mbps Ethernet controller
- Supports 4 x USB, 4 x COM, 1 x LPT
- Supports VGA and LCD display
- 8-channel digital input and 8-channel digital output

Specifications

System

Processor	Onboard Vortex86SX 300MHz processor
Chipset	Single chip integration
Memory	Onboard 64MB DDR 2 memory
Watchdog Timer	Software programmable supports 1~255 sec./min. System reset/interrupt
Expansion Interface	PC/104-Plus connector, one ISA connector and one PCI-104 connector

Storage

IDE	1 x IDE interface, supporting two IDE devices
DOC/DOM	1 x DIP32 DOC interface

I/O Interface

USB	2 x USB header, 4 x port
Serial Port	4 x serial port, COM2 supports RS-232/422/485
Keyboard/Mouse	1 x PS/2
Parallel Port	1 x LPT
GPIO	8-channel digital input and 8-channel digital output

Onboard Video

Chipset	Onboard TOPRO TP6508 graphics controller
Memory	1MB video memory
Display	Supports VGA and LCD display

Ethernet

Chipset	The chipset integrates Ethernet controller
Speed	10/100Mbps
Connector	Connects to Internet through specific transfer cable

Mechanical and Environmental

Dimensions	96mm x 90mm
Operating Temperature	-40℃~85℃
Operating Humidity	5%-90%,non-condensing

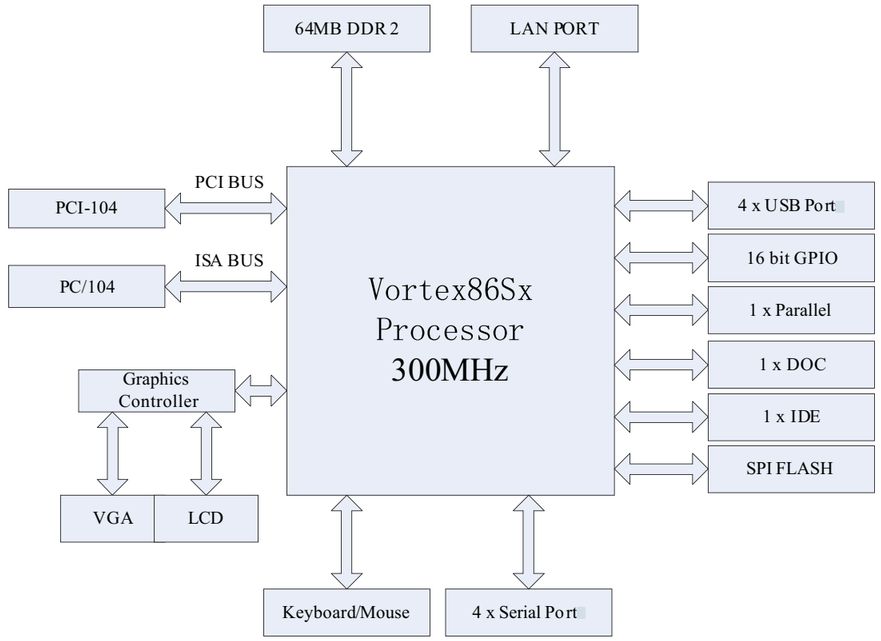
Power

Power Supply	+5V DC-IN
Power Consumption	Typical 4W (Vortex86SX 300MHz, 64MB memory)

Operating System

Operating System	DOS/WinCE 4.0/Linux/Vxworks

Board Diagram



Available Accessories

Part Number	Name	Description	Qty.
2192-002871	Driver CD/Pressed film/RoHS	104-1482CLDN/VER:A0	1
2330-000011	Jumper/RoHS	2.0mm pitch	4
2331-001991	Socket/RoHS	PC104 2x20-pin 2.54mm pitch female pin length: 12.5mm	1
2331-002011	Socket/RoHS	PC104 2x32-pin 2.54mm pitch female pin length: 12.5mm	1
2331-002251	Pin header/RoHS	2x20-pin, 2.54mm pitch, two sides of equal length: 6+6mm	1
2331-002261	Pin header/RoHS	2x32-pin, 2.54mm pitch, two sides of equal length: 6+6mm	1
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	2
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
2391-002141	Nut/RoHS	M3/GB-T6170-1986/nickel plating	4
2391-004621	Copper hex bolts/RoHS	M3x16-6/CH-M3-16-6-Ni	4
2412-000331	Setup Guide/RoHS	AMI/BIOS Setup Guide (for CORE/8)/VER: A1	1
2413-005291	User's Manual/Chinese/RoHS	104-1482CLDN/VER: A1	1

Ordering Information

Part Number	Model Number	Description
0030-001050	104-1482CLDN	Motherboard
0030-004460	104-1482CLDN(Conformal coating)	Motherboard/Conformal coating