

PC104-551VL

- Low power *Vortex86 166 MHz* CPU processor
- PC104 grade interface
- SiS550 embedded SOC, AGP Rev 2.0 Compliant
Shared system memory area up to 128MB
CRT/LCD display
- **USB x 2 IrDA**
- **128MB SDRAM** solder on board



PC104 Low power 166Mhz Module

with 4S/CRT/LCD/Ethernet/Audio/128MB SDRAM

SPECIFICATIONS

Form Factor: PC/104 Form Factor

Layer: 8 Layers, Single side

Chipset: Embedded Vortex86, 166MHz System-on-Chip CPU
Real Time Clock with lithium battery backup

Memory type: 128MB SDRAM memory solder on board.

BIOS: AMI BIOS, 128KB (Flash) EPROM

LCD/VGA w/ MPEG II: SiS550 embedded SOC, AGP Rev 2.0 Compliant
Shared system memory area up to 128MB
CRT/LCD display

Monitor resolution : Resolution up to 1920 x1440 true colors

Audio signal: Full compliant with AC97 CODEC V2.1
Internal MIC-in, Line-in and Line-out Interface

LAN : Realtek 8100B single chip
Full-duplex transfer mode, doubles effective bandwidth
NE2000 compatible with built-in 16KB RAM buffer
Throughput: 10/100 Mbps

DOC socket: Socket for DiskOnChip Flash Disk

Speaker: Buzzer on Board

CMOS Backup: Backup by Li battery

Connector and cables :

2.0mm 44-pin box header for IDE
2.0mm 10-pin box header x 4
2-pin header for RS-485
2.0mm 26-pin box header
2.0mm 34-pin box header
2.54mm USB ports x 2

Audio connectors:

4-pin header for Mic-in, 4-pin header for line-in, 4-pin header for line-out
10-pin box header for VGA connection
44-pin box header for LCD connection
5-pin box header for AT-keyboard
5-pin box header for PS-2 Mouse
RJ-45 connector for 10/100Base-T

I/O port :

Enhanced IDE interface x 1
RS232 port x 3
RS232/RS485 port x 1
Parallel Port x 1
FDD interface x 1
USB ports x 2

Watchdog Timer: Software Watchdog Timer
Three 8254 Compatible Programmable 16-bit Counters

Miscellaneous

Connectors/Jumpers: Reset, HDD LED, 4-pin single +5V power connector

Power Requirement: Single Voltage +5V @1.4A

Dimension : 90(L) x 96(W) mm (3.54" x 3.78")

Operating Temperature: -20 ~ 60°C.