

PC104- 550VL

- **PC/104 Vortex86 166 MHz System-on-Chip CPU Module**
- **Support Low power , fanless.**
- **LCD : TTL type LCD interface supported**
- **VGA : with 128MB share video memory**
- **LAN 100 / 10 Mbps on board**
- **2 x COM**
- **2 x USB**



PC/104 Vortex86 166 MHz System-on-Chip CPU Module	with 2S/CRT/LCD/Ethernet/64MB SDRAM on board
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General specifications**Chipset**

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

BIOS

AMI BIOS

RAM

64MB SDRAM on board

I/O

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

Bus Interface

ISA and PC/104 standard compliant

Connector

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

One socket for DiskOnChip from 8MB to
256MB RJ-45 connector for
10/100Base-T

Display

SiS550 embedded SOC AGP Rev 2.0
Compliant Shared system memory area up to
128MB CRT/LCD display Resolution up to
1920 x1440 true colors

LCD panel

Support 640 x 480, 800 x 600 , 1024 x 768
resolution TFT LCD panel, just setting the
BIOS that can support.

LAN

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

Power Requirements

Single Voltage +5V @1.2A

Power consumption

6Watts

Boot up time

Only 4 second. **(The ZF CPU module boot
up need to spend 30 second)**

Dimensions

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

Operating Temperature

-20~+60°C

Operation System

MS-DOS, Linux , Windows 98, NT, 2000,
Windows CE driver support

Watch Dog Timer

Software Watchdog Timer Three 8254
Compatible Programmable 16-bit
Counters

FCC certificate

Support FCC certificate.