

VSX104

300MHz Vortex86SX PC/104 Module

FEATURES

- Onboard 300MHz Vortex86SX SoC
- 4 serial, 2 USB 2.0
- 10/100 LAN
- Type I CompactFlash™ and microSD
- Onboard, soldered DDR2 RAM
- Extended temperature operation
- Fanless



SYSTEM

CPU	DM&P SoC CPU Vortex86SX-300MHz
BIOS	AMI BIOS
Cache	16K I-Cache, 16K D-Cache
System Chipset	Vortex86SX
I/O Chipset	Vortex86SX
Ethernet Chipset	Vortex86SX
Ethernet Interface	Integrated 10/100Base-T
Expansion	PC/104 standard compliant
Speaker Out	Onboard speaker
Real Time Clock	RTC with lithium battery backup
Watchdog Timer	Yes

INTERFACE

Serial Port	4x 16550-compatible serial ports, RS-232
LAN Port	1x integrated 10/100 Ethernet
EIDE	2x EIDE (Ultra DMA 100)
Parallel Port	1x bi-directional AT-compatible printer port
USB Port	2x USB 2.0
K/B & Mouse	PS/2
GPIO	1x 16-bit GPIO
Redundancy	1x Redundancy port

ORDERING INFORMATION

Part Number	
VSX104-128	Vortex86SX 300MHz PC/104 Module, 4 serial, 1 parallel, 2 USB, E-IDE, 128MB DDR2
Accessories	
VSX104 KIT	VSX104 Starter Kit
CBLSET1-VSX104	Cable kit for VSX104 (2x dual serial, 1x parallel, 1x dual USB, 1x EIDE, 1x LAN, 1x utility)
CF-4GB	4GB, Type I CompactFlash™
CF-8GB	8GB, Type I CompactFlash™

MEMORY & STORAGE

Memory	Onboard 64MB DDR2 RAM (supports up to 256MB)
Storage	Type I CompactFlash™ socket microSD socket

SOFTWARE SUPPORT

Operating System (O/S)	AMI PC BIOS - 100% x86 compatible, DOS, MS-DOS, DRDOS, LINUX, Windows™CE
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ELECTRICAL SPECIFICATIONS

Power Input	Single 5V DC operation
Power Consumption	1.85 watt, (+5V@370mA)

ENVIRONMENT & MECHANICAL

Operating Temperature	-40° to 85°C
Storage Temperature	-40° to 85°C
Relative Humidity	5 to 90% @ 40°C, relative humidity, non-condensing
Dimension (LxWxH)	3.55" x 3.775" x 0.9"
Weight	52g (incl. battery)

WARRANTY

1 year limited warranty

