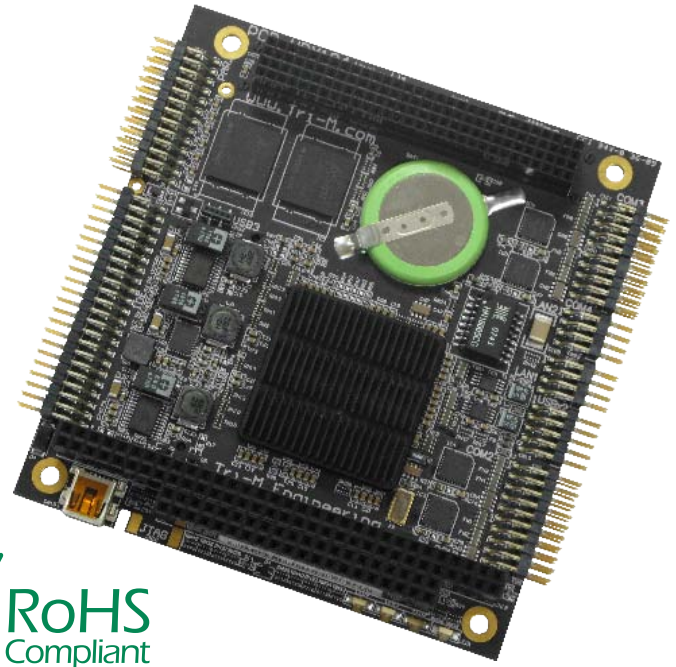# VDX104+
800MHz Vortex86DX PC/104*plus* Module with Dual LAN

FEATURES

- **Onboard 800MHz Vortex86DX SoC**
- **512MB onboard DDR2 RAM**
- **4 serial, 2 USB 2.0**
- **Dual 10/100 LAN**
- **Type I CompactFlash™ and microSD**
- **Extended temperature operation**
- **Fanless**

RoHS Compliant

SYSTEM

CPU	DM&P SoC CPU Vortex86DX-800MHz
BIOS	AMI BIOS
Cache	16K I-Cache, 16K D-Cache
System Chipset	Vortex86DX
I/O Chipset	Vortex86DX
Ethernet Chipset	Vortex86DX Intel 82551er
Ethernet Interface	2x 10/100Base-T
Expansion	PC/104*plus* 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	2x 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 8-bit GPIO port
Redundancy	1x Redundancy port
SPI	1x External SPI port

MEMORY & STORAGE

Memory	Onboard 512MB DDR2 RAM
Storage	8MB onboard SPI flash (floppy emulation) 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

ELECTRICAL SPECIFICATIONS

Power Input	Single 5V DC operation
Power Consumption	2.5 watt, (+5V@500mA)

ENVIRONMENT & MECHANICAL

Operating Temperature	-40° to 85°C
Storage Temperature	-50° to 125°C
Relative Humidity	5 to 90% @ 40ºC, relative humidity, non-condensing
Dimension (LxWxH)	3.55" x 3.775" x 0.9"
Weight	53g (incl. battery)

WARRANTY

1 year limited warranty

ORDERING INFORMATION

Part Number	
VDX104+2E-PBF	Vortex86DX 800MHz PC/104*plus* Module, 4 serial, 1 parallel, 2 USB, E-IDE, 512MB DDR2, 2 LAN
Accessories	
VDX104+2E-KIT	Starter Kit for VDX104+
CABLESET1-VSX104+	Cable kit for VSX104+ and VDX104+ (2x dual serial, 1x parallel, 1x dual USB, 1x EIDE, 2x LAN, 1x utility)