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EQUIPMENT MONITOR AND CONTROL
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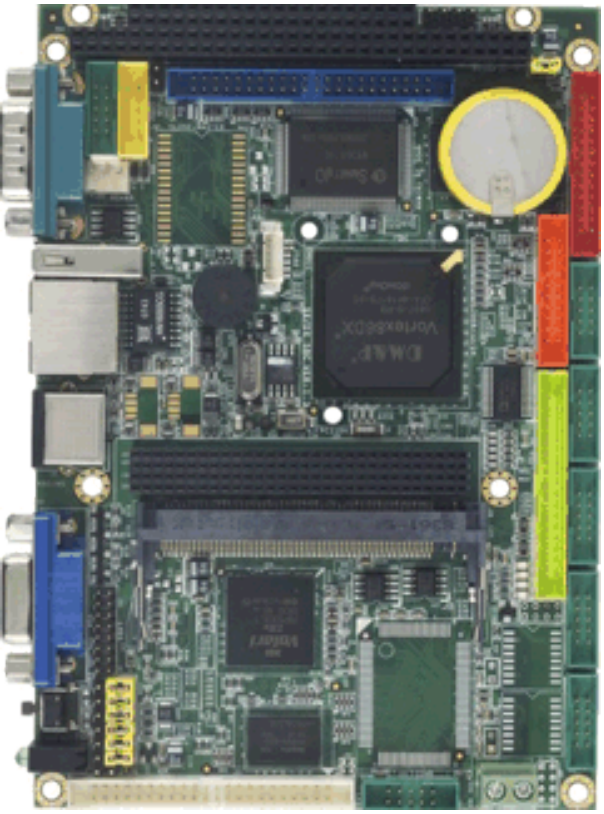
## VDX-6328



CPU: Fanless Vortex 486 class 86DX running at 800MHz

256MB or 512MB of on-board DDR2 RAM

Compact Flash socket

Extended Temperature Range -20 º C (-4º F) to 70º C (158º F)

10/100 Base-T Ethernet

3 x USB 2.0 Ports

4 x Serial Ports (VDX-6328)

Audio Input & Output (VDX-6328)

Supports PC/104 and PCI-104 Interfaces

(Optional) Industrial Wide Temp -40 to 85°C

The VDX-6328 utilizes an onboard Vortex86DX Fanless 800MHz processor built for Ultra Low Power Consumption. The processor is highly integrated thus reducing the price of the board. The VDX-6328 comes with a PC/104 bus connector and a PCI-104 bus connector which allows it to utilize higher end PCI bus based modules. The VDX-6328 has a fully static 32-bit 486 class X86 processor and is PC compatible allowing it to run most popular 32-bit Operating Systems such as DOS, Windows and Linux. The Video Chip (Volari Z9s) features 32 MB onboard video memory supporting Analog VGA monitors and TFT/LVDS Flat panel interfaces and has a resolution of up to 1280x1024 @ 16M colors. In addition to video, three USB 2.0 ports are available as well as one Parallel port (SPP/EPP/ECP modes), an

UltraDMA – 100/66/3 EIDE port (which supports up to 2 IDE devices), five RS-232 and one RS-232/422/485 serial ports. The VDX-6328 can run at temperatures of -20 º C (-4º F) to 70º C (158º F). The numerous features provide an ideal price/performance solution for commercial and industrial applications where stability and reliability (no moving parts) are essential. **Flash Disk not included.**

## Specifications

SBC Type:

486 Single Board Computers

## Processor

Processor:

Vortex86DX Fanless

Clock Speed:

800 MHz

Real Time Clock:

Processor Misc.:

L1:16K I-Cache, 16K D-Cache L2 Cache 128KB

Real Time Clock with Lithium Battery Backup

## Memory

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

Compact Flash Card Type I/II Socket

Secondary Flash:

On-board 4MB SPI Flash Chip (DOS can boot & run from the on-board SPI Flash)

Memory Misc.:

Optional Memory: 256MB DDR2

## Primary I/O

GPIO:

1x 16 bit General Purpose I/O

Disk Interface:

1x Ultra DMA 100/66/33

which supports 2x IDE Drives

Video Out:

CRT/LCD 32MB

Audio:

on-board CM119 USB Audio Controller with Mic-In/Line-In/Line-Out

Ethernet:

10/100 Base-T Ethernet

USB:

3x USB 2.0

Serial Ports:

5x RS-232

1x RS-232/422/485

1x Parallel SPP/EPP/ECP

Watchdog:

## Secondary I/O

Timers/ Counters/ PWM:

16~24 channels of PWN

LPT Port:

Keypad:

PS/2:

Secondary I/O Misc.:

JTAG Interface

## Analog on

A/D:

D/A:

## Dimensions

Dimensions:

4.01 × 5.67 in

Form Factor:

Half EBX

## Power Requirements

Typical Current:

840 mA

Typical Voltage:

5 V

## Environmental

Low Operating Temperature:

-20 C

High Operating Temperature:

70 C

Environmental Misc.:

Optional Temperature: -40 to 85°C

## Pricing

VDX-6328RD-NF

Vortex86DX 800MHZ, 256MB RAM, Compact Flash, IDE, 4x COM, 3x USB2, LAN, VGA, LVDS, (-20°C to +70°C) ---No Floppy

$292.00

Parent Product:

VDX-6328D-NF-512

Vortex86DX 800MHZ, 512MB RAM, Compact Flash, IDE, 4x COM, 3x USB2, LAN, VGA, LVDS, (-20°C to +70°C) ---- No Floppy

$312.00

Parent Product:

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