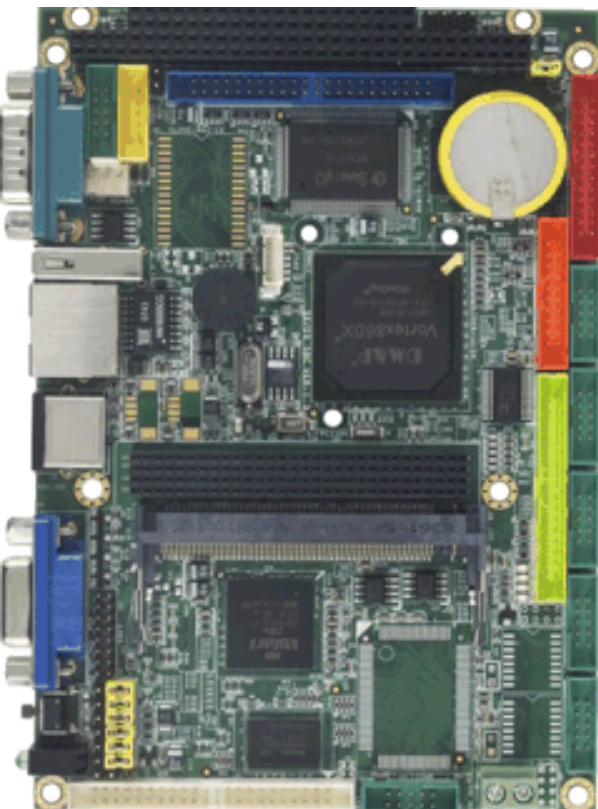


### VDX-6327



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

256MB or 512MB of on-board DDR2 RAM

Compact Flash socket

On-board 4MB SPI Flash

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

10/100 Base-T Ethernet

3 x USB 2.0 Ports

8 x Serial Ports (VDX-6327)

Supports PC/104, PCI-104, and Mini-PCI Interfaces

Optional Temperature: -40 to 85°C

For Audio in/out please see the (VDX-6328)

The VDX-6327 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-6327 comes with a PC/104 bus connector, PCI-104, and Mini-PCI bus connector which allows it to utilize higher end PCI bus based modules. The VDX-6327 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), seven RS-232 and one RS-232/422/485 serial ports. The VDX-6327 can run at temperatures of -20 ° C (-4° F) to 70° C (158° 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

#### SLC type.

#### 486 Single Board Computers

#### Single Board Computers < 1 GHz

#### 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 Optional

#### Primary I/O

#### GPIO.

#### 1x 16 bit General Purpose I/O

#### Disk Interface:

#### 1x Ultra DMA 100/66/33

#### which supports 2 IDE Drives

#### Video Out:

#### VGA and TFT/LVDS Flat Panel Interface Support

#### Audio:

#### See the VDX-6328 for Audio

#### Ethernet:

#### 10/100 Base-T Ethernet

#### USB:

#### 3x USB 2.0

#### Serial Ports:

#### 7x RS-232

#### 1x RS-232/422/485

#### 1x Parallel SPP/EPP/ECP

#### Watchdog:

#### Primary I/O Misc.:

#### Watchdog Timer Software programmable from 30.5? sec.to 512 sec. x 2 sets

(Watchdog 1 fully compatible with M6117D)

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

Weight:

150 g

Form Factor:

Half EBX

Power Requirements  
Typical Current.

820 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  
VLA-0327D

Vortex86DX 800MHZ 256MB SBC VGA/LAN/

\$268.00

Parent Product:

VDX-6327D-X

Vortex86DX 800MHZ 256MB SBC VGA/LAN/wide temp

\$296.00

Parent Product:

VDX-6327D-512

Vortex86DX 800MHZ 512MB SBC VGA/LAN/

\$322.00

Parent Product:

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Source URL: <https://www.emacinc.com/content/vdx-6327-0>