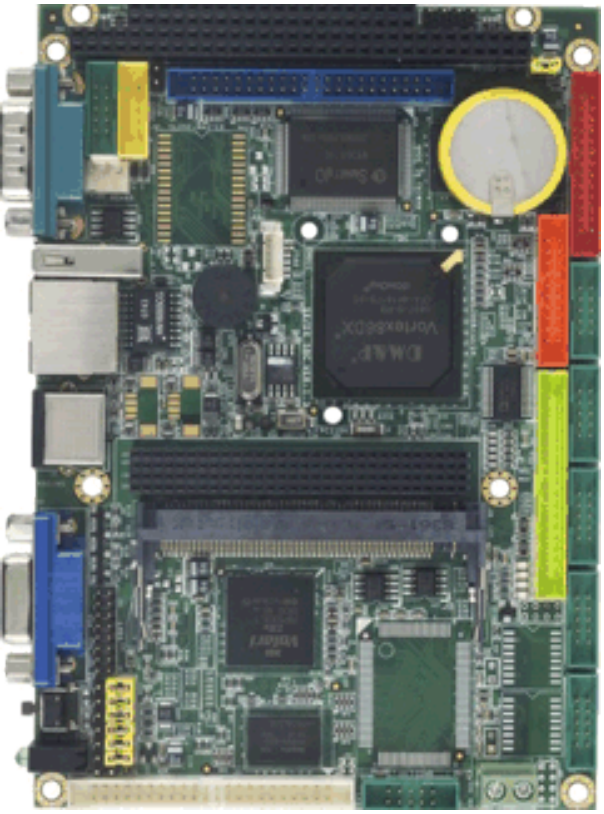
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VDX-6327



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 º C (-4º F) to 70º C (158º 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 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
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

VDX-6327D
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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