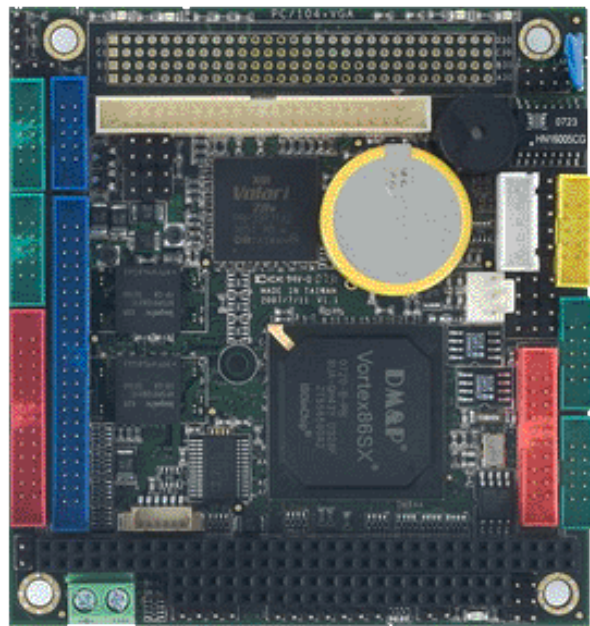


VDX-6354



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

256MB of on-board DDR2 RAM

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

10/100 Base-T Ethernet

2 x USB Ports, 4 x Serial Ports

Supports PC/104 and Optional PC/104+ Interface

The VDX-6354 utilizes an onboard Vortex86DX Fanless 800MHz processor built for Low Power Consumption. The processor is highly integrated so that it reduces the price of any board utilizing this processor. Unlike other PC/104 SBCs the VDX-6354 maintains the true PC/104 standard form-factor and does not require “wings”. The VDX-6354 is available with an optional PC/104+ bus which allows it to access higher end PCI bus based modules. The VDX-6354 has a fully static 32-bit X86 processor and is PC compatible allowing it to run most popular 32-bit Operating Systems such as Windows and Linux. The Video Chip (VDX-6354) features 32 MB onboard video memory supporting Analog VGA monitors and TFT Flat panel interfaces and has a resolution of up to 1280x1024 @ 16M colors. In addition to video, two 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) and three RS-232 and one RS-232/422/485 serial ports. The VDX-6354 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 486 class

Clock Speed:

800 MHz

Real Time Clock:

Processor Misc.:

L1 Cache: 16K I-Cache, 16K D-Cache

Memory

BIOS/ Bootloader:

AMI BIOS

Memory Misc.:

Optional Memory: 256MB DDR2

Flash: EmbedDisk and on-board 2MB SPI Flash Chip (DOS can be boot & ran from the on-board SPI Flash)

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:

2x USB 2.0

Serial Ports:

3x RS-232

1x RS-232/422/485

1x Parallel SPP/EPP/ECP

Watchdog:

Secondary I/O

Timers/ Counters/ PWM:

16 channels of PWN

LPT Port:

Keypad:

PS/2:

Expansion

Bus Misc.:

Optional Bus: 1x PC/104+

Analog

A/D:

D/A:

Dimensions

Dimensions:

3.54 × 3.77 in

Form Factor:

PC/104

Power Requirements

Typical Current:

740 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-6354D

Vortex86DX 800MHZ 256MB PC/104 VGA/LAN/Audio

\$290.00

Parent Product:

VDX-6354D-P

Vortex86DX 800MHZ 256MB PC/104+ VGA/LAN/Audio

\$264.00

Parent Product:

VDX-6354D-512

Vortex86DX 800MHZ 512MB PC/104 VGA/LAN/Audio

\$315.00

Parent Product:

Source URL: <https://www.emacinc.com/content/vdx-6354>