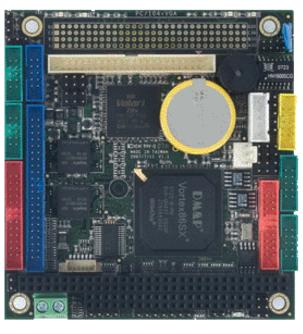


Published on EMAC Inc. (https://www.emacinc.com)

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

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 stocking and representations are essential. **Flash Disk not included.**

Specifications

Flash Disk not included.

486 Single Board Computers

Single Doord Computers < 1 GHz

Processor

Vortex86DX Fanless 486 class

Clock Speed:

800 MHz

L1 Cache: 16K I-Cache, 16K D-Cache
Memory Bios/ Booloader:
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
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:
Timers/ Counters/ PWM:
16 channels of PWN
LPT Port:
Keypad:
PS/2:
Expansion Bus visc
Optional Bus: 1x PC/104+
Analog A. D.
D/A:
Dimensions Dimensions.
$3.54 \times 3.77 \text{ in}$
Form Factor:
PC/104

Real Time Clock: Processor Misc.:

Power Requirements Typical Culterin.

5 V
Environmental Low Operating Temperature:
-20 C
High Operating Temperature:
70 C
Environmental Misc.:
Optional Temperature: -40 to 85°C
Pricing VDA-0304D
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

740 mA

Typical Voltage: