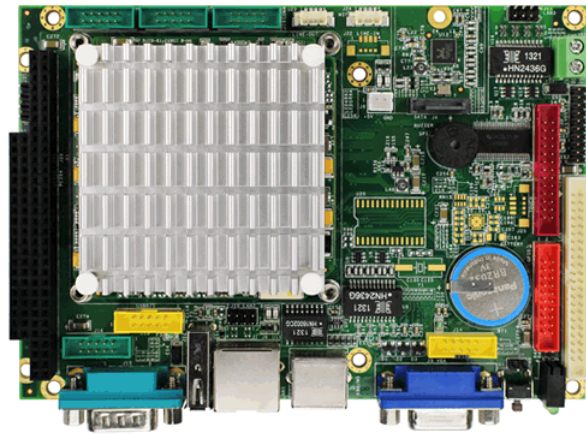


VDX2-6526



Vortex86DX2 DM&P SoC 800MHz

512MB, 1GB DDR2 On-board

4MB SPI Flash Disk On-board

4x RS-232/485 Ports

5x USB 2.0 Ports

- ?DOS Hot Swap USB (Optional with CH375 USB chip)

1x 10/100Mbps Ethernet & 2x 10/100/1000Mbps Ethernet Ports

VGA/TFT/LVDS

VGA and TFT/LVDS Flat Panel Interface Support (Either VGA or LCD)

TFT Flat Panel interface support & resolution up to 1280x1024, 16M colors

Integrated 2D VGA chip

Touch Controller PS/2 interface (Optional)

1x SATA 7P Connector

PC/104 standard compliant

1x 16-bit GPIO

PWM 16~24 channels

AMI BIOS

JTAG interface

Weight: 100g

Power Requirement: Single Voltage +5V@1000mA

Operating Temperature: -10°C ~ +60°C

Dimensions: 102mm x 144mm (4.01 x 5.67 inches)

The VDX2-6526 3.5” family of embedded controller is designed with backward compatibility in mind, to provide migration path for projects facing end-of-life challenges with their existing x86 based 3.5” controller. The VDX2-6526 family of controller is designed as a plug in replacement, with backward compatibility to support legacy software to help extend existing product life cycle without heavy re-engineering. VDX2-6526 is suitable for broad range of data-acquisition, industrial automation, process control, automotive controller, AVL, intelligent vehicle management device, medical device, human machine interface, robotics, machinery control and more.

Specifications

SLC type.

Single Board Computers 3.5 Inch

Processor

Processor.

DM&P Vortex86DX2 SoC

Clock Speed:

800 MHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

4MB SPI Flash Disk On-board

Secondary Flash:

SATA DOM

Primary I/O

GPIO.

1x 16-bit GPIO

Disk Interface:

1x SATA 7P Connector

Video Out:

VGA/TFT/LVDS

Audio:

HD Audio ALC 262

Ethernet:

1x 10/100Mbps Ethernet & 2x 10/100/1000Mbps Ethernet Ports

USB:

5x USB 2.0 Port

Serial Ports:

4x RS-232/485 Ports

Watchdog:

Secondary I/O

Timers/ Counters/ PWM:

16x PWM

LPT Port:

Keypad:

PS/2:
Touch:
Touch Controller PS/2 interface (Optional)

Analog on
A/D:
D/A:

Dimensions
Dimensions:
4.01 × 5.67 in

Weight:
100 g
Form Factor:

3.5 SBC
Dimensions Misc.:
102mm x 144mm (4.01 x 5.67 inches)

Power Requirements
Voltage:
5 V

Environmental
Low Operating Temperature:
-10 C
High Operating Temperature:
60 C

Pricing
VLAZ-0526-512
VDX2 512MB/4S/5USB/VGA/LCD/LVDS/3LAN/AUDIO/GPIO/PWMx16
\$280.00

Order:
0
Parent Product:

VDX2-6526-1G
VDX2 1GB/4S/5USB/VGA/LCD/LVDS/3LAN/AUDIO/GPIO/PWMx16
\$291.00

Order:
0
Parent Product:

VDX2-6526-512-T
VDX2 512MB/4S/5USB/VGA/LCD/LVDS/3LAN/AUDIO/TOUCH/GPIO/PWMx16
\$285.00

Order:
0
Parent Product:

VDX2-6526-1G-T
VDX2 1GB/4S/5USB/VGA/LCD/LVDS/3LAN/AUDIO/TOUCH/GPIO/PWMx16

\$295.00

Order:

0

Parent Product:

VDX2-6526-512HS

VDX2 512MB/4S/5USB/VGA/LCD/LVDS/3LAN/AUDIO/GPIO/PWMx16/CH375 (hot swap USB)

\$288.00

Order:

0

Parent Product:

Source URL: <https://www.emacinc.com/content/vdx2-6526>