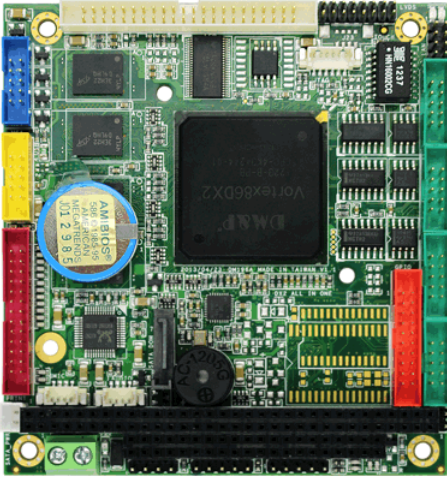


VDX2-6554



DM&P Vortex86DX2 SoC 800MHz

Up to 1 GB DDR2 On-board

4MB SPI On-board Flash Disk

4x RS-232/485 Ports

2x USB 2.0 Ports

1x 10/100Mbps Ethernet

1x SATA 7P

VGA/TFT/LVDS

Touch controller PS/2 interface(Optional)

HD Audio ALC 262

Watchdog Timer

PC/104 standard compliant

16-bit GPIO

AMI BIOS

PWM 16~24 channels

JTAG interface

Power Requirement: Single Voltage +5V @ 900mA

Operating Temperature: -20°C ~ +70°C

Weight: 100g

Dimensions: 90mm x 96mm (3.54 x 3.77 inches)

The VDX2-6554 PC/104 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 PC/104 controller. The VDX2-6554 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. VDX2-6554 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 application that required small footprint, low-power and low-cost hardware with open industry standard such as PC/104.

Specifications

SLC type.

486 Single Board Computers

Processor

Processor.

Vortex86DX2 DM&P SoC

Clock Speed:

800 MHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

4MB SPI On-board Flash Disk

Secondary Flash:

SATA DOM

Primary I/O

GPIO.

16-bit GPIO

Disk Interface:

1x SATA 7P

Video Out:

VGA/TFT/LVDS

Audio:

HD Audio ALC 262

Ethernet:

1x 10/100Mbps Ethernet

USB:

2x USB 2.0 Ports

Serial Ports:

4x RS-232/485 Ports

Watchdog:

Secondary I/O

Timers/ Counters/ PWM:

PWM 16~24 channels

LPT Port:

Keypad:

PS/2:

Touch:

Touch Controller PS/2 interface (Optional)

Analog on
A/D.

D/A:

Dimensions
Dimensions.

3.54 × 3.77 in

Weight:

100 g

Form Factor:

PC/104

Dimensions Misc.:

90mm x 96mm (3.54 x 3.77 inches)

Power Requirements
Voltage.

5 V

Typical Current:

900 mA

Environmental
Low Operating Temperature:

-20 C

High Operating Temperature:

70 C

Pricing
VLA2-0554-512

VDX2 512MB/4S/2USB/VGA/LCD/LVDS/AUDIO/LAN/GPIO/PWMx16

\$248.00

Order:

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Parent Product:

VDX2-6554-512-T

VDX2 512MB/4S/2USB/VGA/LCD/LVDS/AUDIO/LAN/GPIO/PWMx16/TS

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Order:

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Parent Product:

VDX2-6554-1G

VDX2 1GB/4S/2USB/VGA/LCD/LVDS/AUDIO/LAN/GPIO/PWMx16

\$258.00

Order:

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Parent Product:

VDX2-6554-1G-T

VDX2 1GB/4S/2USB/VGA/LCD/LVDS/AUDIO/LAN/GPIO/PWMx16/TS

\$262.00

Order:

0

Parent Product:

Source URL: <https://www.emacinc.com/content/vdx2-6554>