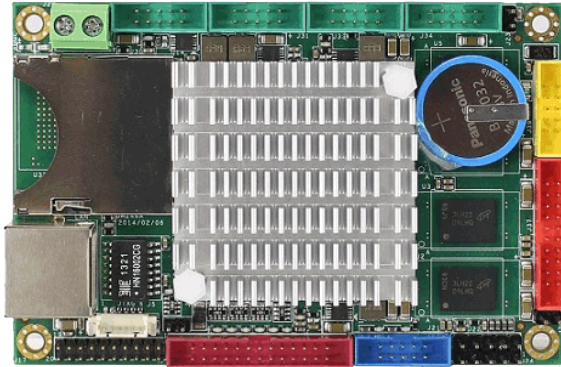


VDX2-6518



Vortex86DX2 DM&P SoC 800MHz

1GB DDR2 Onboard

Onboard 4MB SPI Flash Disk

512MB eMMC(Optional)

SD Card Slot (Optional)

3x RS-232 Ports, 1x RS-232/422/485 Port

2x USB 2.0 Ports

10/100Mbps Ethernet

VGA/TFT/LVDS

VGA, LVDS LCD support up to 1280x1024 resolution

HD Audio ALC 262

JTAG interface

8-bit GPIO

PWM 8~16channels

AMI BIOS

Power Requirment: Single Voltage +5V@720mA

Operating Temperature: -10°C ~ +60°C

Weight: 63 g

Dimensions: 100mm x 66mm (3.94 x 2.6 inches)

The embedded controller tiny module VDX2-6518 is designed with backward compatibility in mind, to provide migration path for projects facing end-of-life challenges with their existing x86 based tiny module controller. This versatile controller is designed as a plug in replacement, with backward compatibility to support legacy software to extend running product life cycle without heavy and time consuming work. VDX2-6518 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.

Specifications

SBC type:

486 Single Board Computers

Processor

Processor:

DM&P Vortex86DX2

Clock Speed:

800 MHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

4MB SPI On-board Flash Disk

Secondary Flash:

512MB eMMC (or SD Card Slot)

Primary I/O

GPIO:

8-bit GPIO

Disk Interface:

4MB SPI On-board Flash Disk

512MB eMMC (or SD Card Slot)

Video Out:

VGA/TFT/LVDS

Audio:

HD Audio ALC 262

Ethernet:

10/100Mbps Ethernet

USB:

2x USB 2.0 Ports

Serial Ports:

3x RS-232 Ports

1x RS-232/422/485 Port

Watchdog:

Secondary I/O

Timers/ Counters/ PWM:

PWM 8~16 Channels

LPT Port:

Keypad:

PS/2:

Analog on

A/D:

D/A:

Dimensions

3.94 × 2.6 in

Weight:

63 g

Form Factor:

Pico-ITX

Dimensions Misc.:

100mm x 66mm (3.94 x 2.6 inches)

Power Requirements

5 V

Typical Current:

720 mA

Environmental
Low Operating Temperature:

-10 C

High Operating Temperature:

60 C

Environmental Misc.:

Wide temp -20~85°C optional

Pricing

VDX2-6518D-1G-E
VDX2-6518-1G-E, VDX2 800MHz, 1GB RAM, 512MB eMMC, 4x COM, 2x USB2, LAN, VGA, LCD, LVDS, -10°C ~ +60°C
\$290.00

Order:

0

Parent Product:

VDX2-6518D-1G-S

VDX2-6518-1G-S, VDX2 800MHz, 1GB RAM, SD CARD, 4x COM, 2x USB2, LAN, VGA, LCD, LVDS, -10°C ~ +60°C
\$233.00

Order:

0

Parent Product:

Source URL: <https://www.emacinc.com/content/vdx2-6518>