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Source URL: https://www.emacinc.com/content/vsx-6153

VSX-6153



DM&P SoC CPU Vortex86SX- 300MHz

PC/104 standard compliant

128/256MB DDR2 onboard

Watchdog Timer, software programmable from 30.5 µsec. to 512 sec.

XGI Volari Z9s Chipset, onboard 32MB VGA Memory

CM119 USB Audio Controller (Optional)

Integrated 10/100Mbps Ethernet

Onboard 2MB SPI Flash Disk

Support Compact Flash Type I/II

Support MSTI EmbedDisk Module

44-pin IDE to microSD (Optional)

Operation Temperature:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ ,  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$  (Optional)

The VSX-6153-V2 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 VSX-6153-V2 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 reengineering. VSX-6153-V2 is suitable for broad range of data-acquisition, Industrial automation, Process control, Automotive controller, AVL, Intelligent Vehicle management devic, Medical device, Human machine interface, Robotics, machinery control And management devic, Medical device, Human machine interface, Robotics, machinery standard such as PC/104. Specifications

486 Single Board Computers Processor

Processor:
Fanless Vortex86SX
Clock Speed:
300 MHz
Real Time Clock:
Memory Bios/ Boolloader:
AMI BIOS
Primary Flash:
Onboard 2MB SPI Flash Disk
Secondary Flash:
MSTI EmbedDisk Module (16MB and above)
Memory Misc.:
Compact Flash Type I/II
Primary I/O
16-bit GPIO port
Disk Interface:
IDE or Compact Flash
Audio:
CM119 USB audio controller (Optional)
Ethernet:
10/100Mbps Ethernet port
USB:
2 x USB port (Ver2.0)
Watchdog:
Primary I/O Misc.:
2.0mm 44-pin box header for IDE x1
2.0mm 44-pin box header for LCD x1
2.0mm 26-pin box header for Printer x1
2.0mm 20-pin box header for 16-bit GPIO x1
2.0mm 16-pin header for LVDS x1
2.0mm 10-pin box header for VGA x1
2.0mm 10-pin box header for USB x1
2.0mm 10-pin box header for RS-232 x4
2.0mm 8-pin header for Ethernet x1
2.54mm 5-pin box header for Keyboard x1
2.54mm 5-pin header for Mouse x1
2.54mm 4-pin header for -5V, -12V +12V, GND x1
2.54mm 3-pin header for RS-485 x1
2.54mm 2-pin header for Reset x1
2.54mm 7-pin header for Redundancy Signal x1 (Optional)
2.54mm 2-pin header for System-Fail-SW x1 (Optional)
1.25mm 6-pin wafer for JTAG x1
1.25mm 4-pin wafer for Line-out/MIC-in x2 (Optional)
Secondary I/O
Timers/ Counters/ PWM:
Software programmable from 30.5μ sec.to 512 sec. x 2 sets
LPT Port:

Keypad:
PS/2:
Analog on A. D.
D/A:
Dimensions Dimensions.
$3.54 \times 3.77$ in
Weight:
90 g
Form Factor:
PC/104
Power Requirements Voltage.
5 V
Environmental Low Operating Temperature:
-20 C
High Operating Temperature:
70 C
Environmental Misc.:
-40C ~ 85C (Optional)
-40C ~ 83C (Optional)
Pricing V32-0155
VSX-6153-V2, Vortex86SX 300 MHz, 128MB RAM, Compact Flash, 4x COM, 2x USB2, 10/100 LAN, VGA TFT/LVDS, PC/104 CPU
Module
\$199.00
Order: 0
Parent Product:
Falent Floduct.
Source URL: https://www.emacinc.com/content/vsx-6153
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