

Specifications

Processor	DM&P SoC CPU Vortex86EX- 400MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache,L2 Cache 256KB
BIOS	Coreboot BIOS
System Memory	128MB DDR3 Onboard
Flash Disk Support	Onboard 7.5MB SPI Flash Disk (Drive A, FreeDOS preinstalled) Onboard eMMC 512MB SD card
I/O Interface	SATA 7-pin connector x 1 RS-232 port x3 RS-232/485 port x1 USB port (Ver2.0) x2 16-bit GPIO port x1 I ² C port x1 CAN BUS port x1 8-CH 11-bit ADC port x 1 Mini PCI-E connector x 1
Connectors	2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 10-pin header for ADC x1 2.0mm 8-pin header for LAN x1 2.54mm 2-pin header for Reset x1 2.54mm 5-pin header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 3-pin header for CAN BUS x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 1.2mm 6-pin wafer for I ² C x1
Power Requirement	Single Voltage +5V@400mA
Weight	63g
Dimensions	96mm X 90.2mm (3.78 x 3.55 inches)
Operating Temperature	-20°C ~ +70 °C -40°C ~ +85 °C (Optional)
Operating System Support	DOS, WinCE6.0, WinCE7.0, Linux

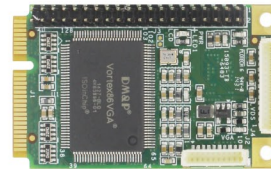
Packing List

- VEX-6254 x 1
- Cable
RS-232 (2.0) x 4
GPIO (2.0) x 1
USB (2.0) x 2
Audio Line x 2
NET 4x2 (2.0) x 1
PS/2 Mouse Black x 1
PS/2 Keyboard Black x 1

Ordering Information

- **VEX-6254-S** Vortex86EX CPU Module 128MB DDR3 & SD card slot
- **VEX-6254-E** Vortex86EX CPU Module 128MB DDR3 & 512MB eMMC
- **MINIPCI-E-9160** Mini PCI-E VGA Module for VEX CPU Module only

Development Kit



MINIPCI-E-9160

- VGA: Maximum resolution up to 1024x768 @ 60Hz
- LVDS/TTL: Maximum resolution up to 1024x768 @ 60Hz
- Single channel 24-bit LVDS