

Unit: mm

### Specifications

<b>Processor</b>	DM&P SoC CPU Vortex86EX- 400MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache,L2 Cache 256KB
<b>BIOS</b>	Coreboot BIOS
<b>System Memory</b>	128MB DDR3 Onboard
<b>Bus</b>	PC/104 standard compliant (16-bit x-ISA)
<b>Watchdog Timer</b>	Software programmable from 30.5µ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>LAN</b>	Integrated 10/100Mbps Ethernet
<b>Flash Disk Support</b>	Onboard 7.5MB SPI Flash Disk Onboard eMMC 512MB (Optional) SD card (Optional)
<b>I/O Interface</b>	SATA 7-pin connector x1 RS-232/485 port x1 USB port (Ver2.0) x2 SIM Card slot x1 (Optional) 8-CH 11-bit ADC port x1 Mini PCI-E connector x 1
<b>Connectors</b>	2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS-232 x1 2.0mm 10-pin header for ADC x1 2.0mm 10-pin header for LAN x1 2.54mm 2-pin header for Reset x1 2.54mm 5-pin header for Keyboard/Mouse x1
<b>Power Requirement</b>	Single Voltage +5V@470mA
<b>Weight</b>	63g
<b>Dimensions</b>	100mm X 66mm (3.94 x 2.6 inches)
<b>Operating Temperature</b>	-20°C ~ +70 °C -40°C ~ +85 °C (Optional)
<b>Operating System Support</b>	DOS, WinCE6.0, WinCE7.0, Linux

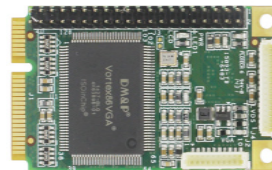
### Packing List

- VEX-6253 x1
- Cable  
RS-232 (2.0) x 1  
USB (2.0) x 1  
NET 4x2 (2.0) x 1  
PS/2 Mouse Black x 1

### Ordering Information

- **VEX-6253** Vortex86EX PC/104 CPU Module with 128MB DDR3/16-bit x-ISA
- **VEX-6253-5S-S** Vortex86EX PC/104 CPU Module with 128MB DDR3/5S/SD Card slot
- **VEX-6253-3GE** Vortex86EX PC/104 CPU Module with 128MB DDR3/SIM Card slot/Mini PCI-E 3G support/512MB eMMC
- **MINIPCIE-9160** Mini PCI-E VGA Module for VEX CPU Module only

### Development Kit



**MINIPCIE-9160**

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