



Unit: mm

### Specifications

<b>SoC</b>	DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache
<b>Bus</b>	PC/104 standard compliant
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	128MB DDR2 Onboard
<b>Watchdog Timer 0 &amp; 1 Sets</b>	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>LAN</b>	Integrated 10/100M Ethernet
<b>Flash Disk Support</b>	Onboard 2MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above)
<b>I/O Interface</b>	Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x1 RS-232 port x3 RS-232/485 port x1 USB port (Ver2.0) x2 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x1
<b>Connectors</b>	2.0mm 44-pin box header for IDE x1 2.0mm 10pin box header for USB x1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 8-pin header for Ethernet x1 2.5mm 5-pin box header for Keyboard x1 2.5mm 5-pin box header for Mouse x1 2.54mm 34-pin box header for FDD x1 2.54mm 4-pin header for -5V, -12V +12V,GND , DC-in x1 2.54mm 3-pin header for RS-485/RS-422 x1 2.54mm 2-pin header for Reset x1 1.25mm 6-pin header for JTAG x1
<b>Power Requirement</b>	Single Voltage +5V@430mA
<b>Weight</b>	80g
<b>Board Size</b>	90 X 96mm (3.54 x 3.77 inches)
<b>Operating Temperature</b>	-20°C ~ +70°C -40°C ~ +85°C (Optional)

### Packing List

- VSX-6151 x1
- CD for User's Manual & Driver x1
- Cable
- HDD 44P (2.0) x1
- FDD (2.0) x1
- PRINT (2.0) x1
- RS-232 (2.0) x4
- NET 4x2 (2.0) x1
- GPIO (2.0) x1
- PS2 KB White x1
- PS2 Mouse Black x1
- Screw Kit x1

### Ordering information

- **VSX-6152** Vortex86SX PC/104 CPU Module with 128MB DDR2