



Specifications

SoC	DM&P SoC CPU Vortex86SX- 300MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache
Bus	PC/104 standard compliant
BIOS	AMI BIOS
System Memory	128MB DDR2 Onboard
Watchdog Timer 0 & 1 Sets	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	XGI Volari Z9s Chipset VGA and TFT/LVDS Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors
LAN	Integrated 10/100M Ethernet Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability
Audio	CM119 USB Audio controller
Flash Disk Support	Onboard 2MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II
I/O Interface	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x4 RS-232/485 port x1 USB port (Ver2.0) x3 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x3
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.0mm 16-pin header for LVDS x1 2.0mm 8-pin header for Ethernet x2 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 x3 2.0mm 10-pin box header for USB x1 2.0mm 4-pin wafer for Line-out/MIC-in x2 2.54mm 3-pin header for RS-485 x1 2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 0.8mm 124-pin Mini-PCI card connector x 1 1.25mm 6-pin header for JTAG x1 External 15-pin D-Sub female connector for VGA x1

Connectors	External 9-pin D-Sub male connector for RS-232 x1 External RJ-45 connector for Ethernet x1 External USB connector x 1 External Mini DIN connector for Keyboard/Mouse x1 Type I/II Compact Flash Slotx1
Power Requirement	Single Voltage +5V@640mA
Weight	150g
Board Size	102 X 144mm (4.01 x 5.67 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C(Optional)

Packing List

- VSX-6126 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - PRINT (2.0) x1
 - USB (2.0) x1
 - GPIO (2.0) x1
 - RS-232 (2.0) x3
 - NET 4x2 (2.0) x2
 - Audio Line x2
 - YKB x1

Ordering information

- **VSX-6126** Vortex86SX 3.5" CPU Module with 128MB DDR2