



Unit: mm

## Specifications

<b>SoC</b>	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache L2 Cache 128KB
<b>Bus</b>	PC/104 standard compliant 32-bit x-PCI interface, compatible with PCI Rev.2.1
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	256/512MB DDR2 Onboard
<b>Watchdog Timer</b>	Software programmable from 30.5 $\mu$ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>VGA</b>	XGI Volari Z9s Chipset VGA and TFT Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors
<b>LAN</b>	Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability
<b>Audio</b>	CM119 USB Audio controller
<b>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) Compact Flash Type I/II 44-pin IDE to Micro SD (Optional)
<b>SRAM Support</b>	512KB (Optional)
<b>I/O Interface</b>	Enhanced IDE port (UltraDMA-100/66/33) x1 FDD x 1 RS-232 port x5 RS-232/422/485 port x1 USB port (2.0) x2 Parallel port x1 10/100Mbps Ethernet port x2
<b>Connectors</b>	2.54mm 4-pin header for +12V, -12V, -5V, GND x 1 2.54mm 5-pin box header for keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 3-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1 2.0mm 8-pin header for Ethernet x2 2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.0mm 34-pin box header for FDD x 1 2.0mm 26-pin box header for Printer x1 2.0mm 10-pin box header for RS-232 x6 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for VGA x1 2.0mm 4-pin wafer for Line-out/MIC-in x2 1.25mm 6-pin wafer for JTAG x1 Type I/II Compact Flash Slot x1

<b>Power Requirement</b>	Single Voltage +5V @ 800mA
<b>Weight</b>	150g
<b>Board Size</b>	102 x 144mm (4.01 x 5.67 inches)
<b>Operating Temperature</b>	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C -40 $^{\circ}$ C ~ +85 $^{\circ}$ C (Optional)

## Packing List

- VDX-6329 x1
- CD for User's Manual & Driver x1
- Cable
  - HDD 44P (2.0) x1
  - FDD 44P (2.0) x1
  - PRINT (2.0) x1
  - VGA (2.0) x1
  - USB (2.0) x1
  - RS-232 (2.0) x6
  - Audio Line x2
  - PS2 KB White x1
  - PS2 KB (TEST) Black x1
  - NET 4x2 (2.0) x2

## Ordering information

- **VDX-6329** Vortex86DX 3.5" CPU Module with 256MB DDR2
- **VDX-6329-512** Vortex86DX 3.5" CPU Module with 512MB DDR2



Compact Flash Type I/II

1

$\mu$ Processor Module

2

Mity/Tiny CPU Module

3

PC/104 CPU Module

4

Half-Size CPU Module

5

3.5" CPU Module

6

Peripheral Module

7

Display Product Series

8

Accessories & Technical Information