



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
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	256/512MB DDR2 Onboard
<b>Watchdog Timer</b>	Software programmable from 30.5µsec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
<b>LAN</b>	Integrated 10/100Mbps Ethernet Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability
<b>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
<b>PWM</b>	16~24 Channels
<b>SRAM support</b>	512KB (Optional)
<b>I/O Interface</b>	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x3 RS-232/422/485 port x1 USB port (Ver2.0) x2 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x3
<b>Connectors</b>	2.0mm 44-pin box header for IDE x1 2.0mm 10-pin 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 x3 2.54mm 5-pin box header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 4-pin header for -5V, -12V +12V,GND, DC-in x1 2.54mm 3-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1 2.54mm 7-pin header for Redundancy Signal x1(Optional) 2.54mm 2-pin header for System-Fail-SW x1(Optional) 1.25mm 6-pin wafer for JTAG x1
<b>Power Requirement</b>	Single Voltage +5V @ 620mA
<b>Weight</b>	84g
<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

- VDX-6356 x1
- CD for User's Manual & Driver x1
- Cable
  - HDD 44P (2.0) x1
  - PRINT (2.0) x1
  - RS-232 (2.0) x4
  - NET 4x2 (2.0) x3
  - GPIO (2.0) x1
  - PS2 KB White x1
  - PS2 Mouse Black x1
- Screw Kit x1

## Ordering information

- **VDX-6356** Vortex86DX PC/104 CPU Module with 256MB DDR2
- **VDX-6356-512** Vortex86DX PC/104 CPU Module with 512MB DDR2

1

µProcessor 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