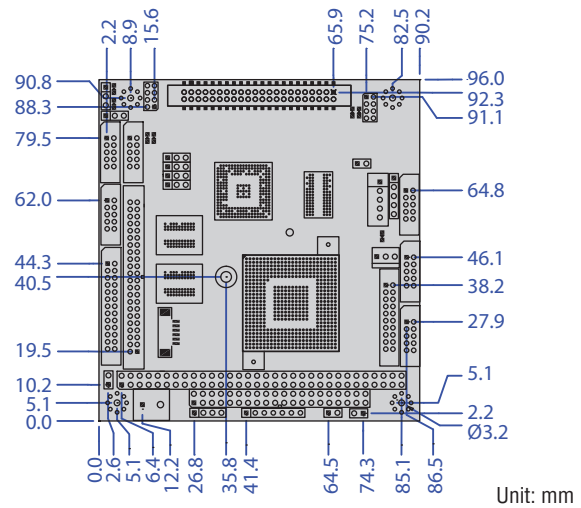
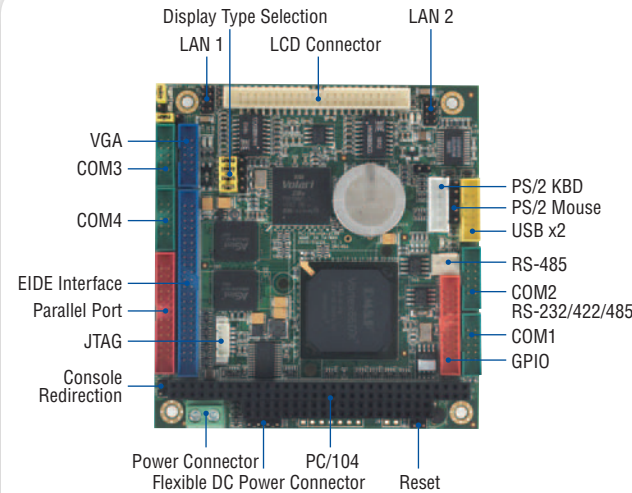


VDX-6358RD

256MB/4S/2USB/VGA/LCD/2LAN/
GPIO/PWMx16



Specifications

SoC	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache L2 Cache 128KB
Bus	PC/104 standard compliant
BIOS	AMI BIOS
System Memory	256/512MB 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 Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16MB colors
LAN	Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability
Flash Disk Support	Onboard 4MB SPI Flash Disk MST1 EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
PWM	16~24 Channels
SRAM support	512KB (Optional)
I/O Interface	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 x2
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.0mm 10pin box header for VGA 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 x2 2.5mm 5-pin box header for Keyboard x1 2.5mm 5-pin box 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
Power Requirement	Single Voltage +5V @ 780mA
Weight	83g

Board Size	90 x 96mm (3.54 x 3.77 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Packing List

- VDX-6358RD x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.0) x1
 - PRINT (2.0) x1
 - VGA (2.0) x1
 - RS-232 (2.0) x4
 - USB (2.0) x1
 - NET 4x2 (2.0) x2
 - GPIO (2.0) x1
 - PS2 KB White x1
 - PS2 Mouse Black x1
- Screw Kit x1

Ordering information

- **VDX-6358RD** Vortex86DX PC/104 CPU Module with 256MB DDR2
- **VDX-6358RD-512** Vortex86DX PC/104 CPU Module with 512MB DDR2

1

µProcessor Module

2

Tiny 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