



Unit: mm

## Specifications

|                                      |  |
|--------------------------------------|--|
| <b>SoC</b>                           | DM&P SoC CPU Vortex86DX- 600MHz<br>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<br>PC-104, PC/104+ (Optional)  |
| <b>BIOS</b>                          | AMI BIOS   |
| <b>System Memory</b>                 | 128MB DDR2 Onboard   |
| <b>Watchdog Timer 0 &amp; 1 Sets</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<br>VGA and TFT Flat Panel Interface Support<br>Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors  |
| <b>Flash Disk Support</b>            | MSTI EmbedDisk Module (16MB and above)<br>44-pin IDE to Micro SD (Optional)  |
| <b>PWM</b>                           | 16~24 Channels   |
| <b>I/O Interface</b>                 | Enhanced IDE port (UltraDMA-100/66/33) x1<br>RS-232 port x1<br>RS-232/422/485 port x1<br>USB port (Ver2.0) x2<br>Parallel port x1<br>16-bit GPIO port x1   |
| <b>Connectors</b>                    | 2.0mm 44-pin box header for IDE x1<br>2.0mm 44-pin box header for LCD x1<br>2.0mm 26-pin box header for Printer x1<br>2.0mm 20-pin box header for 16-bit GPIO x1<br>2.0mm 10-pin box header for VGA x1<br>2.0mm 10-pin box header for USB x1<br>2.0mm 10-pin box header for RS-232 x2<br>2.54mm 5-pin box header for Keyboard x1<br>2.54mm 5-pin header for Mouse x1<br>2.54mm 3-pin header for RS-485 x1<br>2.54mm 2-pin header for Reset x1<br>2.54mm 7-pin header for Redundancy Signal x1 (Optional)<br>2.54mm 2-pin header for System-Fail-SW x1 (Optional)<br>1.25mm 6-pin wafer for JTAG x1 |
| <b>Power Requirement</b>             | Single Voltage +5V @ 600mA   |
| <b>Weight</b>                        | 80g  |

**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-6372 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) x2
  - USB (2.0) x1
  - GPIO (2.0) x1
  - PS2 KB White x1
  - PS2 Mouse Black x1
- Screw Kit x1

## Ordering information

- **VDX-6372** Vortex86DX PC/104 CPU Module with 128MB DDR2
- **VDX-6372-PLUS** Vortex86DX PC/104+ CPU Module with 128MB DDR2