VDX-6372

Display Type Selection LCD Connector
VGA
EIDE Interface
Parallel Port
JTAG
Reset
Power Connector
PC/104
PS/2 KBD
PS/2 Mouse
USB x2
RS-485
COM 2 RS-232/422/485
GPIO
COM 1

Unit: mm

Specifications

SoC	DM&P SoC CPU Vortex86DX- 600MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache L2 Cache 128KB
Bus	PC/104 standard compliant PCI-104 (Optional)
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 Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280x1024, 16M colors
Flash Disk Support	MSTI EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
PWM	16~24 Channels
I/O Interface	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x1 RS-232/422/485 port x1 USB port (Ver2.0) x2 Parallel port x1 16-bit GPIO port x1
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD 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 VGA x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS-232 x2 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 2.54mm 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 @ 600mA
Weight	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