Unit: mm

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	16-bit x-ISA interface
BIOS	AMI BIOS
System Memory	256/512MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5µ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	XGI Volari Z9s Chipset LVDS Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280 x 10240, 16M colors
LAN	Integrated 10/100Mbps Ethernet
Audio	CM119 USB Audio controller (Optional)
Flash Disk Support	Onboard 4MB SPI Flash Disk 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 x3 RS-232/422/485 port x1 USB port (Ver2.0) x2 16-bit GPIO port x1 10/100Mbps Ethernet port x1
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for VGA x1 2.0mm 16-pin header for LVDS x1 2.54mm 5-pin header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 3-pin header for RS-485 x1 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 (Optional) External RJ-45 connector for Ethernet x1

Power Requirement	Single Voltage +5V @700mA
Weight	65g
Board Size	100 x 66 mm (3.94 x 2.6 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Packing List

- VDX-6314 x1
- CD for User's Manual & Driver x1
- Cable
  HDD 44P (2.0) x1
  VGA (2.0) x1
  RS-232 (2.0) x4
  USB (2.0) x1
  GPIO (2.0) x1
  PS2 Mouse Black x2

Ordering information

- **VDX-6314**   Vortex86DX Tiny CPU Module with 256MB DDR2
- **VDX-6314-512**   Vortex86DX Tiny CPU Module with 512MB DDR2
- **VDX-6314-AU**   Vortex86DX Tiny CPU Module with 256MB DDR2, Audio