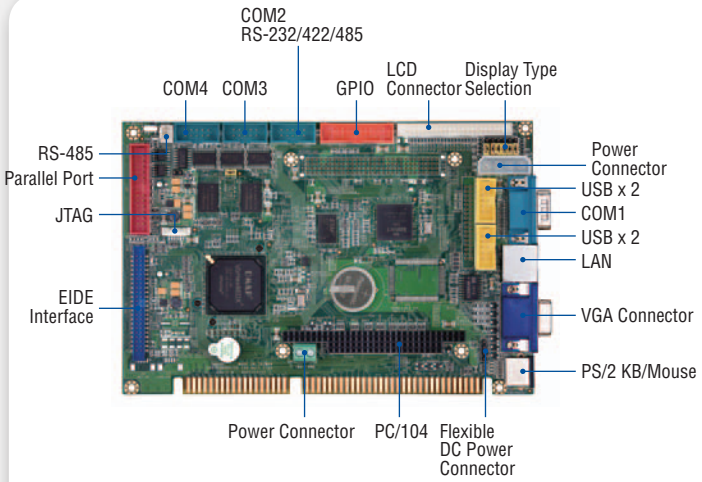
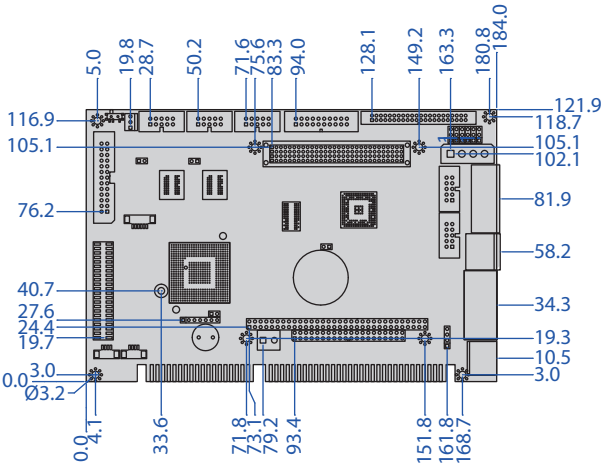
VDX-6324RD

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





Unit: mm

Specifications

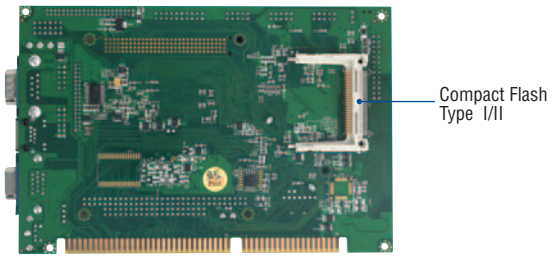
SoC	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache, L2 Cache 128 KB
Bus	PC/104 standard compliant PCI-104 (Optional)
BIOS	AMI BIOS
System Memory	256/512MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5µ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	XGI Volari Z9s Chipset VGA and TFT Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280 x 1024, 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) Compact Flash Type I/II 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) x4 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x1
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.54mm 26-pin box header for Printer x1 2.54mm 20-pin box header for 16-bit GPIO x1 2.54mm 10-pin box header for RS-232 x3 2.54mm 10-pin box header for USB x2 2.54mm 4-pin header for -5V, -12V, +12V, GND 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 1.25mm 4-pin wafer for Line-out/MIC-in x2 (Optional) 4-pin male power connector x1 External 15-pin D-Sub female connector for VGA x1 External 9-pin D-Sub male connector for RS-232 x1 External RJ-45 connector for Ethernet x1 External Mini DIN connector for Keyboard/Mouse x1 Type I/II Compact Flash Slot x1
Power Requirement	Single Voltage +5V @ 700mA
Weight	180g
Board Size	184 x 122mm (7.24 x 4.80 inches)
Operating Temperature	-20 °C ~ +70 °C -40 °C ~ +85 °C (Optional)

Packing List

- VDX-6324RD x1
- CD for User's Manual & Driver (Optional)
- Cable
  HDD 44P (2.0) x1
  PRINT (2.54) x1
  USB (2.54) x2
  GPIO (2.54) x1
  RS-232 (2.54) x3
  YKB x1

Ordering information

- **VDX-6324RD** Vortex86DX Half-Size CPU Module with 256MB DDR2
- **VDX-6324RD-512** Vortex86DX Half-Size CPU Module with 512MB DDR2



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