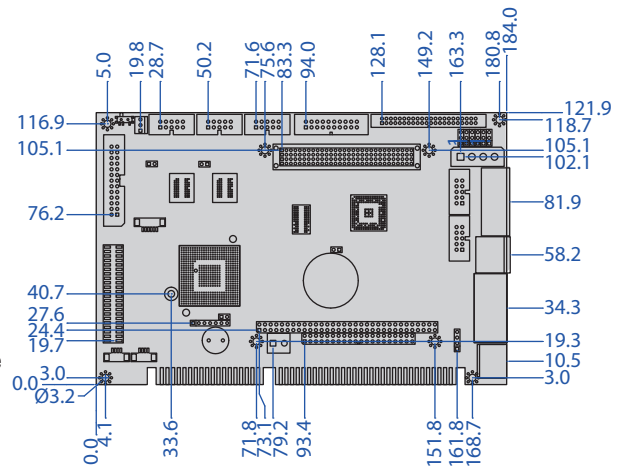
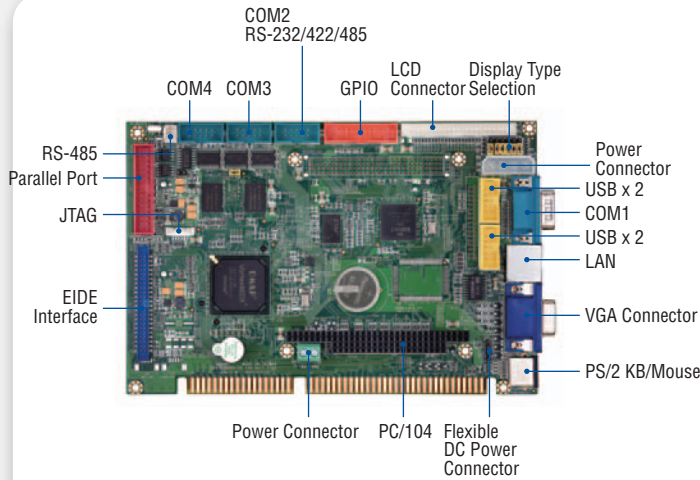


VDX-6324RD

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 MST1 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 (Ver.2.0) 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 |

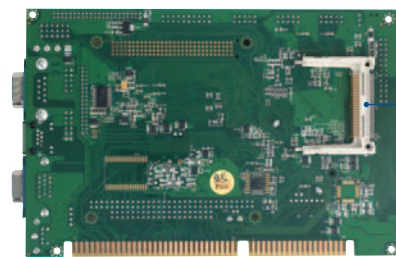
| | |
|------------------------------|---|
| Weight | 180g |
| Board Size | 184 x 122mm (7.24 x 4.80 inches) |
| Operating Temperature | -20 °C ~ +70 °C -40 °C ~ +85 °C (Optional) |

Packing List

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

Ordering information

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



Compact Flash Type I/II

VDX-6324RD