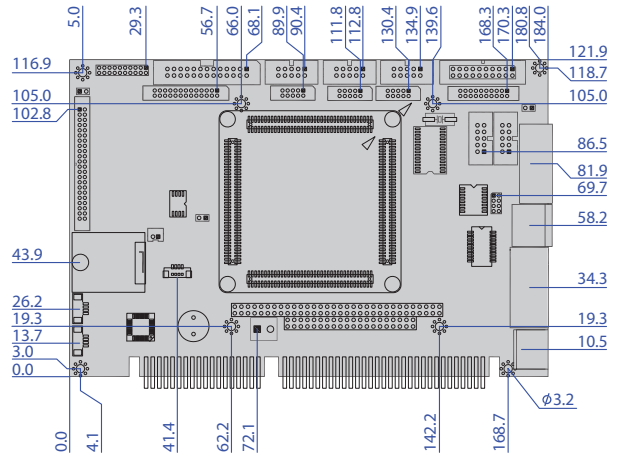
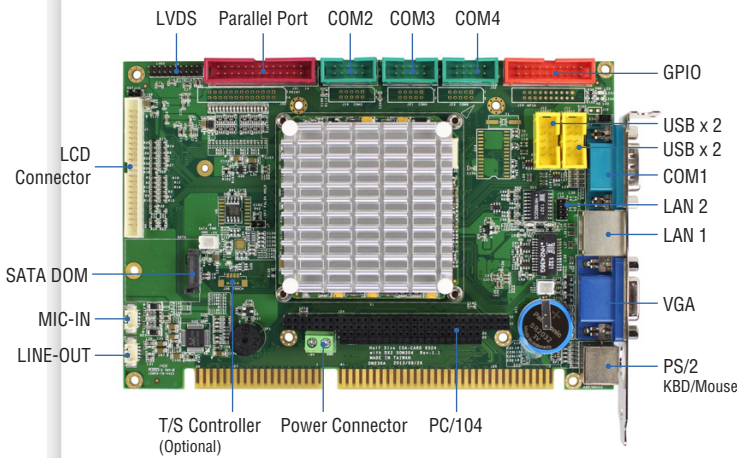


# VDX2-6524

1GB/4S/4USB/VGA/LCD/LVDS/  
2LAN/AUDIO/GPIO/PWMx16



Unit: mm

## Specifications

<b>Processor</b>	DM&P SoC CPU Vortex86DX2- 800MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache, L2 Cache 256KB
<b>Bus</b>	PC/104 standard compliant
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	512MB / 1GB DDR2 Onboard
<b>Watchdog Timer</b>	Software programmable from 30.5 $\mu$ sec.to 512 sec. x 2 sets ( Watchdog 1 fully compatible with M6117D)
<b>VGA</b>	Integrated 2D VGA chip with dual display support (VGA + TTL / VGA + LVDS) VGA: Maximum resolution up to 1280x1024 @ 60Hz LVDS: Maximum resolution up to 1024x768 @ 60Hz Single channel 24-bit LVDS
<b>LAN</b>	Integrated 10/100Mbps Ethernet x1 Realtek 8111F10/100/1000Mbps Ethernet x1
<b>Audio</b>	ALC 262 (HD Audio)
<b>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk Onboard eMMC 4GB (Optional)
<b>PWM</b>	16 Channels
<b>SRAM Support</b>	512KB (Optional)
<b>Touch Controller</b>	PS/2 interface (Optional)
<b>I/O Interface</b>	SATA 7P Connector x1 RS-232/485 port x4 USB port (Ver2.0) x4 USB Hot SWAP x1 (Optional) Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x1 10/100/1000Mbps Ethernet port x1
<b>Connectors</b>	SATA 7-pin for SATA 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 USB x2 2.54mm 10-pin box header for RS-232 x3 2.54mm 2-pin header for Reset x1 2.0mm 44-pin box header for LCD x1 2.0mm 20-pin header for LVDS x1 2.0mm 8-pin header for Ethernet x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 External RJ-45 connector for Ethernet x1 External Mini DIN connector for KBD/Mouse x1 External D-Sub 15 pin female connector for VGA x1 External D-Sub 9 pin male connector for RS232 x1 1.25mm 4-pin wafer for Touch Screen x1(Optional)
<b>Power Requirement</b>	Single Voltage +5V@1000mA

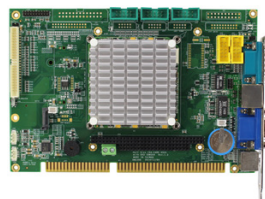
<b>Weight</b>	100g
<b>Dimensions</b>	184mm x 122mm (7.24 x 4.80 inches)
<b>Operating Temperature</b>	-10°C ~ +60°C
<b>Operating System Support</b>	Free DOS, DOS 6.22, PCDOS 7.1, DR-DOS, x-DOS, OS/2, CE6.0, CE7.0, Windows XP Professional, Windows Embedded Standard (XPE), POS Ready (WePOS), Embedded Linux, X-linux, QNX, Vxworks and FreeBSD

## Packing List

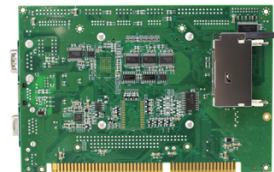
- VDX2-6524 x 1
- Cable  
RS-232 (2.54) x 3  
USB (2.54) x 2  
GPIO (2.54) x 1  
PRINT (2.54) x 1  
Audio Line x 2  
NET 4x2 (2.0) x 1  
YKB x 1

## Ordering Information

- **VDX2-6524-512** Vortex86DX2 Half-size CPU Module with 512MB DDR2
- **VDX2-6524-1G** Vortex86DX2 Half-size CPU Module with 1GB DDR2
- **VDX2-6524-CF-512** Vortex86DX2 Half-size CPU Module with 512MB DDR2 & CF card slot
- **VDX2-6524-CF-1G** Vortex86DX2 Half-size CPU Module with 1GB DDR2 & CF card slot



VDX2-6524-CF (Front)



VDX2-6524-CF (Rear)