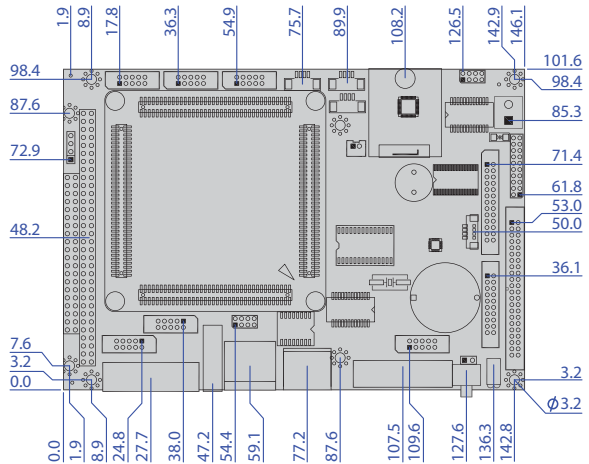
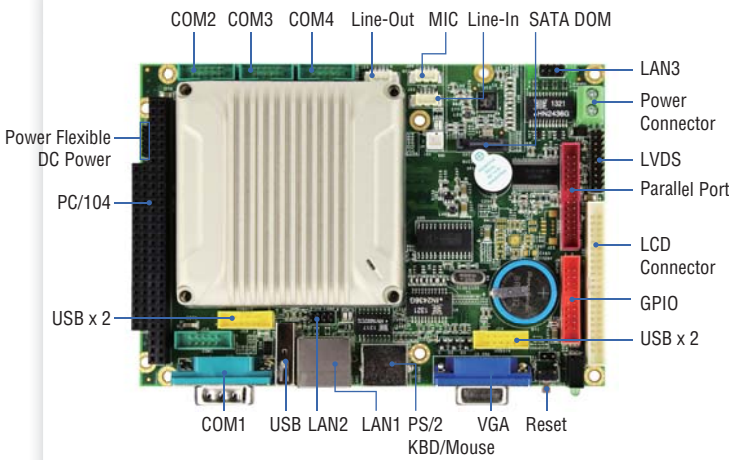


# VDX2-6526

1GB/4S/5USB/VGA/LCD/LVDS/3LAN/  
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 30.5µ sec.to 512 sec. x 2 sets ( Watchdog 1 fully compatible with M6117D)
<b>VGA</b>	Integrated 2D VGA chip VGA and TFT/LVDS Flat Panel Interface Support (Either VGA or LCD) Share system memory 16MB/32MB, Mono, DSTN, STN, TFT Flat Panel interface support & resolution up to 1280x1024, 16M colors
<b>LAN</b>	Integrated 10/100Mbps Ethernet x1 Realtek 8111F10/100/1000Mbps Ethernet x2
<b>Audio</b>	ALC 262 (HD Audio)
<b>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk
<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) x5 USB hot SWAP x1 (Optional) Parallel port x1 16-bit GPIO port x2 10/100Mbps Ethernet port x1 10/100/1000Mbps Ethernet port x2
<b>Connectors</b>	SATA 7P for SATA 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 USB x2 2.0mm 10-pin box header for RS-232 x3 2.0mm 44-pin box header for LCD x1 2.0mm 16-pin header for LVDS x1 2.0mm 8-pin header for Ethernet x2 2.54mm 2-pin header for Reset x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 External USB connector x1 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>	102mm X 144mm (4.01 x5.67 inches)
<b>Operating Temperature</b>	-20 °C ~ +70 °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 98, Windows XP Professional, Windows Embedded Standard (XPE), POS Ready (WePOS), Windows 2000 (SP4), Embedded Linux, X-linux, QNX, Vxworks and FreeBSD

## Packing List

- VDX2-6526 x 1
- Cable  
RS-232 (2.0) x 3  
GPIO (2.0) x 1  
USB (2.0) x 2  
PRINT (2.0) x 1  
Audio Line x 2  
YKB x 1  
Net 4x2 (2.0) x 2

## Ordering information

- **VDX2-6526-1G** Vortex86DX2 3.5" CPU Module with 1GB DDR2
- **VDX2-6526-512** Vortex86DX2 3.5" CPU Module with 512MB DDR2