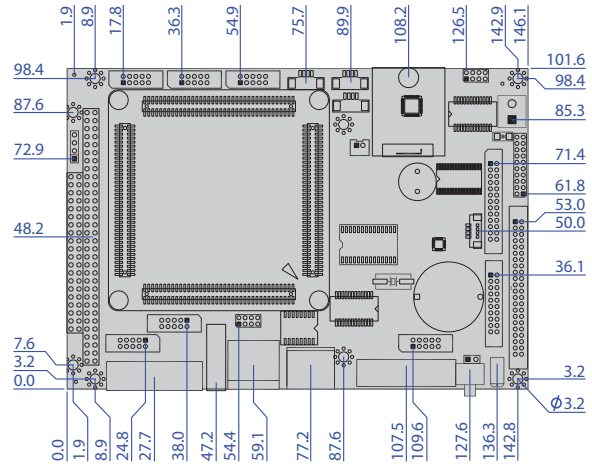
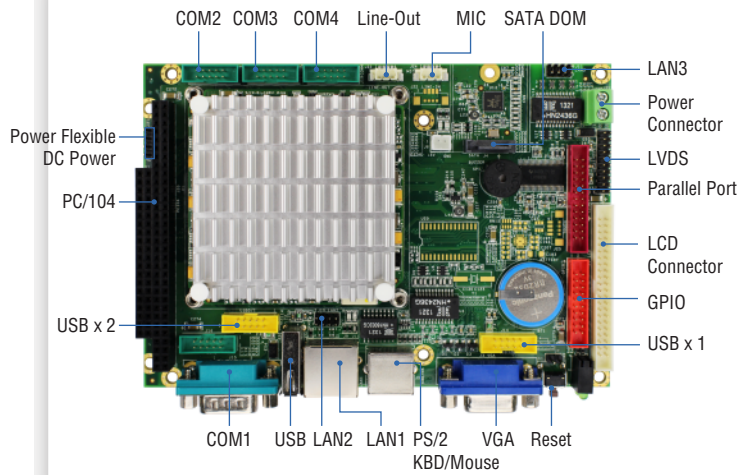


VDX2-6526

1GB/4S/4USB/VGA/LCD/LVDS/3LAN/
AUDIO/GPIO/PWMx16



Unit: mm

Specifications

Processor	DM&P SoC CPU Vortex86DX2- 800MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache, L2 Cache 256KB
Bus	PC/104 standard compliant
BIOS	AMI BIOS
System Memory	512MB / 1GB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5µ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	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
LAN	Integrated 10/100Mbps Ethernet x1 Realtek 8111F10/100/1000Mbps Ethernet x2
Audio	ALC 262 (HD Audio)
Flash Disk Support	Onboard 4MB SPI Flash Disk
PWM	16 Channels
SRAM Support	512KB (Optional)
Touch Controller	PS/2 interface (Optional)
I/O Interface	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 x1 10/100Mbps Ethernet port x1 10/100/1000Mbps Ethernet port x2
Connectors	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)

Power Requirement	Single Voltage +5V@1000mA
Weight	100g
Dimensions	102mm x 144mm (4.01 x 5.67 inches)
Operating Temperature	-10°C ~ +60°C
Operating System Support	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

- VDX2-6526 x 1
- Cable
RS-232 (2.0) x 4
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