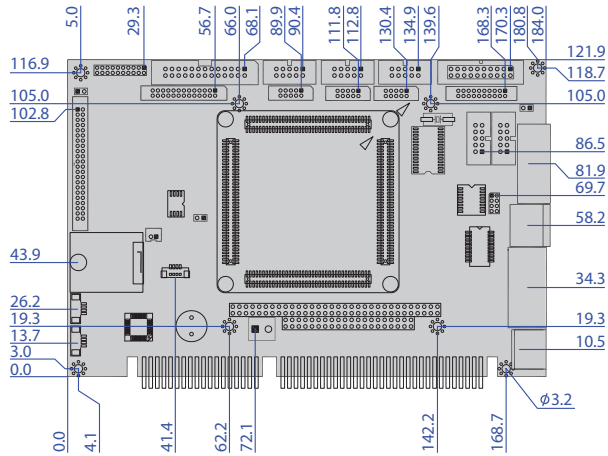
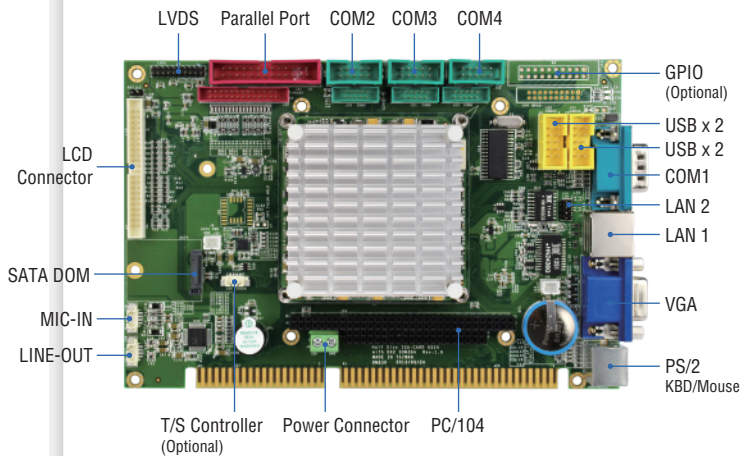


VDX2-6524

1GB/4S/4USB/VGA/LCD/LVDS/
2LAN/AUDIO/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 x1
Audio	ALC 262 (HD Audio)
Flash Disk Support	Onboard 4MB SPI Flash Disk Onboard eMMC 512MB (Optional)
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) 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
Connectors	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 16-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)
Power Requirement	Single Voltage +5V@1000mA

Weight	100g
Dimensions	184mm x 122mm (7.24 x 4.80 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

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

Ordering information

- **VDX2-6524-1G** Vortex86DX2 Half-Size CPU Module with 1GB DDR2
- **VDX2-6524-512** Vortex86DX2 Half-Size CPU Module with 512MB DDR2
- **VDX2-6524-1G-E** Vortex86DX2 Half-Size CPU Module with 512MB DDR2 & 512MB eMMC
- **VDX2-6524-512-E** Vortex86DX2 Half-Size CPU Module with 512MB DDR2 & 512MB eMMC