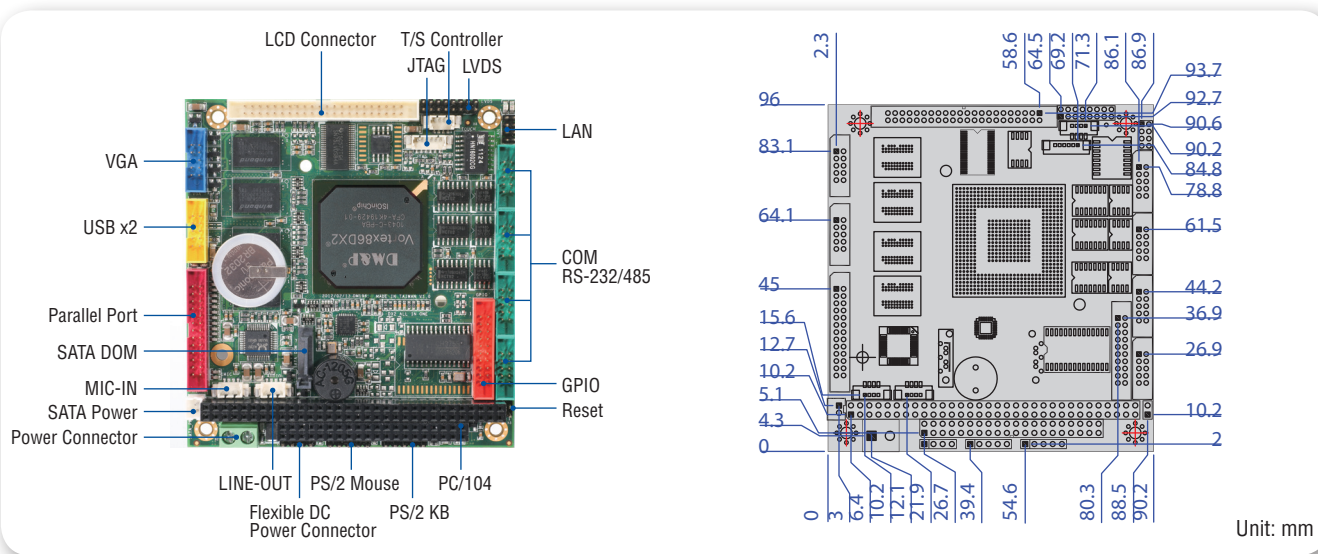


# VDX2-6554-1G

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



## 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>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>System Memory</b>	1GB/512MB DDR2 Onboard
<b>BIOS</b>	AMI BIOS
<b>Bus</b>	PC/104 standard compliant
<b>Watchdog Timer /O&amp;I Sets</b>	Software programmable from 30.5μ sec.to 512 sec. x 2 sets ( Watchdog 1 fully compatible with M6117D)
<b>LAN</b>	Integrated 10/100Mbps Ethernet
<b>Audio</b>	ALC 262 (HD Audio)
<b>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk
<b>PWM</b>	12 Channels
<b>Touch controller</b>	PS/2 interface(Optional)
<b>I/O interface</b>	SATA 7P port x1 RS-232/485 port x4 USB port (Ver2.0) x2 USB hot SWAP x1 (Optional) Parallel port x1 16-bit GPIO port x2 10/100Mbps Ethernet port x1
<b>Connector</b>	SATA 7P for SATA x1 2.0mm 44-pin box header for LCD x1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 16-pin header for LVDS x1 2.0mm 10-pin box header for VGA x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 8-pin header for Ethernet x1 2.54mm 5-pin header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 4-pin header for -5V, -12V +12V, GND x1 2.54mm 2-pin header for Reset x1 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 1.25mm 4-pin wafer for Touch Screen x1

<b>Power Requirement</b>	Single Voltage +5V @ 900mA
<b>Dimensions</b>	90mm x 96mm (3.54 x 3.77 inches)
<b>Weight</b>	100g
<b>Operating Temperature</b>	-20°C ~ +70°C

## Packing List

- VDX2-6554 x1
- Cable  
PRINT (2.0) x1  
GPIO (2.0) x1  
VGA (2.0) x1  
USB (2.0) x1  
RS-232 (2.0) x4  
NET 4 x 2 (2.0) x1  
PS2 KB White x1  
PS2 Mouse Black x1  
Audio Line x2
- Screw Kit x1

## Ordering Information

- **VDX2-6554-1G** Vortex86DX2 PC/104 CPU Module with 1GB DDR2
- **VDX2-6554-512** Vortex86DX2 PC/104 CPU Module with 512MB DDR2