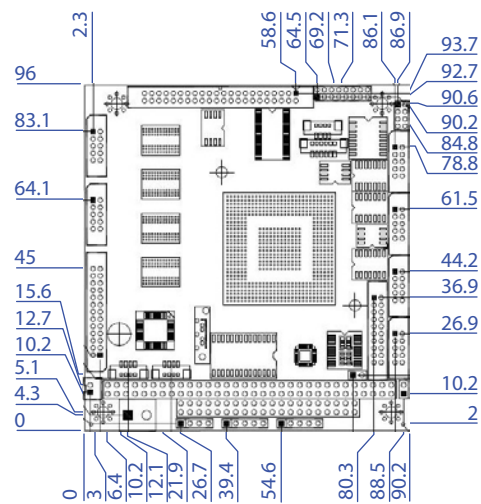
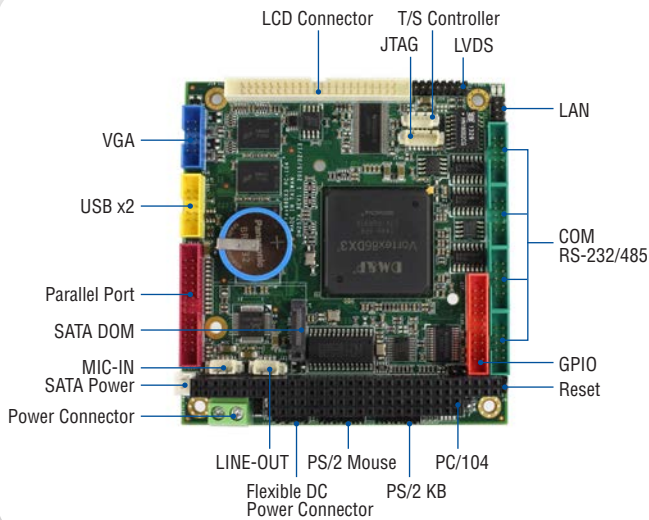


# VDX3-6754-1G

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



Unit: mm

## Specifications

<b>Processor</b>	DM&P SoC CPU Vortex86DX3 - 1GHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:32K I-Cache, 32K D-Cache, L2 Cache:512KB
<b>VGA</b>	Integrated 2D VGA chip with dual display support (VGA + TTL / VGA + LVDS) VGA: Maximum resolution up to 1920x1080 @ 60Hz LVDS: Maximum resolution up to 1024x768 @ 60Hz Single channel 24-bit LVDS
<b>System Memory</b>	1GB/2GB DDR3 Onboard
<b>BIOS</b>	AMI BIOS
<b>Bus</b>	PC/104 Standard Compliant
<b>Watchdog Timer 0 &amp; 1 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>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 x1 10/100Mbps Ethernet port x1
<b>Connector</b>	SATA 7P for SATA x1 2.0mm 26-pin box header for Printer x1 20mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS232 x4 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 2.0mm 10-pin box header for VGA 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(Optional)

<b>Power Requirement</b>	Single Voltage +5V @1.3A (Typical)
<b>Dimensions</b>	90mm x 96mm (3.54 x 3.77 inches)
<b>Weight</b>	80g
<b>Operating Temperature</b>	-20°C ~ +70°C -40°C ~ +85°C (Optional)

## Packing List

- VDX3-6754 x1
- Screw Kit x1

## Ordering Information

- **VDX3-6754-1G** Vortex86DX3 PC/104 CPU Module with 1GB DD3
- **VDX3-6754-2G** Vortex86DX3 PC/104 CPU Module with 2GB DD3
- **Cable-set-6754** NET4X2(2.0) x1  
RS232(2.0) x4  
USB(2.0) x1  
PRINT(2.0) x1  
VGA(2.0) x1  
GPIO(2.0) x1  
PS2KB(TEST) x2  
CABLE-AUDIO-4P(1.25) x2