



DATA SOUND - LABORATORIES -

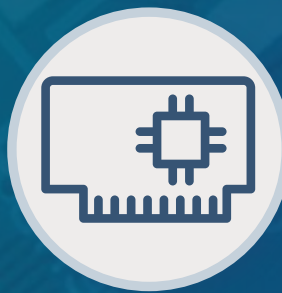
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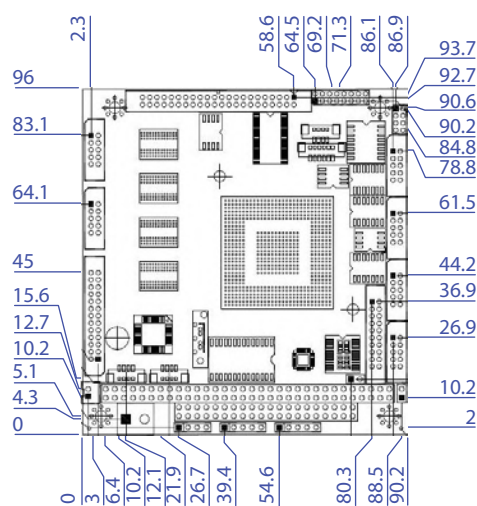
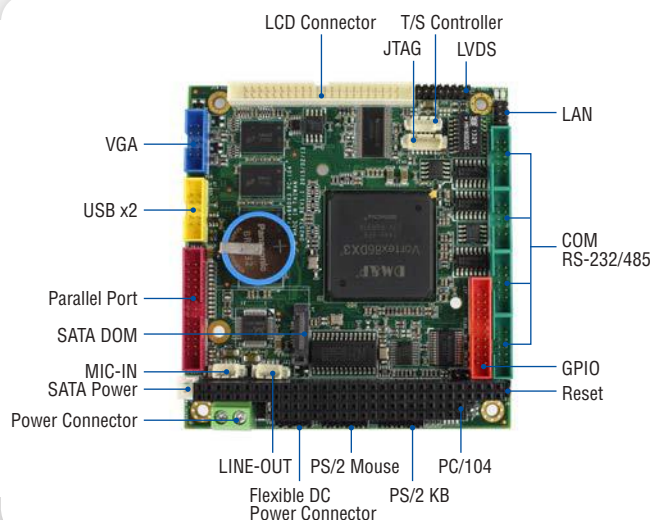
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Unit: mm

Specifications

Processor	DM&P SoC CPU Vortex86DX3 - 1GHz Real Time Clock with Lithium Battery Backup
Cache	L1:32K I-Cache, 32K D-Cache, L2 Cache:512KB
VGA	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
System Memory	1GB/2GB DDR3 Onboard
BIOS	AMI BIOS
Bus	PC/104 Standard Compliant
Watchdog Timer 0 & 1 Sets	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
LAN	Integrated 10/100Mbps Ethernet
Audio	ALC 262 (HD Audio)
Touch controller	PS/2 interface(Optional)
I/O interface	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
Connector	SATA 7P for SATA x1 2.0mm 26-pin box header for Printer x1 20.0mm 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)

Power Requirement	Single Voltage +5V @1.3A (Typical)
Dimensions	90mm x 96mm (3.54 x 3.77 inches)
Weight	80g
Operating Temperature	-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