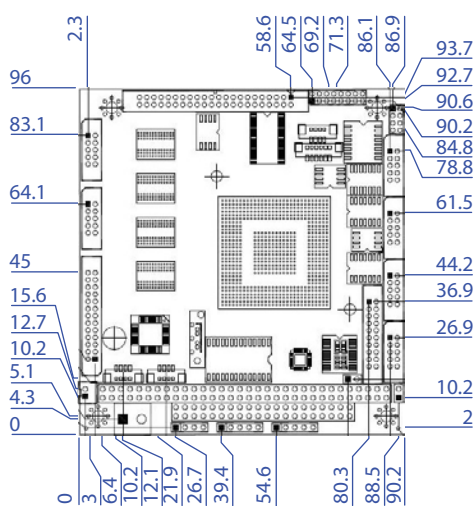
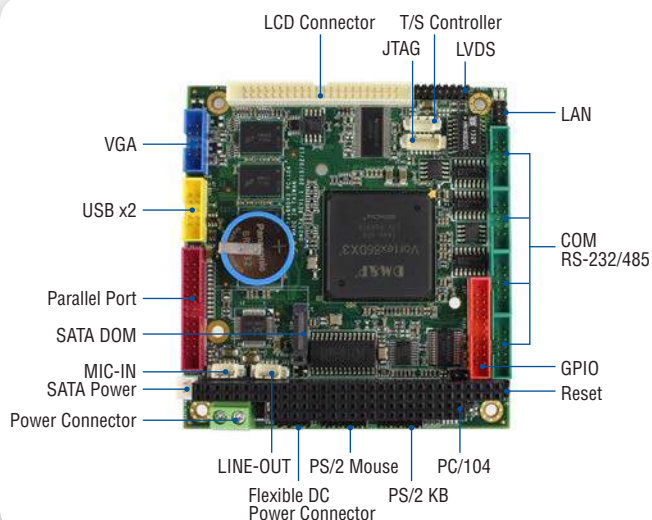


VDX3-6754-1G

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



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 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) |

| | |
|------------------------------|-------------------------------------------|
| 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