



Unit: mm

## Specifications

<b>Processor</b>	DM&P SoC CPU Vortex86DX3 - 1GHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	Cache L1:32K I-Cache, 32K D-Cache, L2 Cache:512KB
<b>VGA</b>	Integrated 2D VGA chip with dual display support (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 Realtek 8111F GbE
<b>I/O interface</b>	SATA 7P port x1 Isolated RS-232 port x2 Isolated RS-485 port x1 CAN bus port x1 (Need additional COM to CANBus module) USB port (Ver2.0) x2 10/100Mbps Ethernet port x1 10/100/1000Mbps Ethernet port x1
<b>Connector</b>	SATA 7P for SATA x1 2.0mm 20-pin header for LVDS x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS232 x2 2.0mm 10-pin box header for VGA x1 2.0mm 10-pin header for COM to CANBus module x1 2.0mm 12-pin header for GbE x1 2.0mm 8-pin header for Ethernet x1 2.0mm 4-pin header for COM to CANBus module x1 2.54mm 5-pin box 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 3-pin header for RS-485 x1 2.54mm 3-pin header for CANBus x1 (Need additional COM to CANBus module) 2.54mm 2-pin header for Reset x1

<b>Power Requirement</b>	Single Voltage +5V @1.15A (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

- VDX3-6755 x1
- Screw Kit x1

## Ordering Information

- **VDX3-6755-1G** Vortex86DX3 PC/104 CPU Module with 1GB DDR3
- **VDX3-6755-2G** Vortex86DX3 PC/104 CPU Module with 2GB DDR3
- **SerialCAN** Isolated RS232 to CANBus adapter with (1 Mbaud) CAN 2.0B support for VDX3-6755 only
- **Cable-set-6755** NET4X2(2.0)-LED x1  
NET6X2(2.0)-LED x1  
RS232(2.0) x2  
USB(2.0) x1  
VGA(2.0) x1  
PS2KB x1  
PS2KB(TEST) x1



SerialCAN (Front)



SerialCAN (Rear)