### Specifications

**Processor**
- DM&P SoC CPU Vortex86DX3 - 1GHz
- Real Time Clock with Lithium Battery Backup

**Cache**
- Cache L1:32K I-Cache, 32K D-Cache, L2 Cache:512KB

**VGA**
- Integrated 2D VGA chip with dual display support (VGA + LVDS)
- LVDS: Maximum resolution up to 1024x768 @ 60Hz
- Single channel 24-bit LVDS

**System Memory**
- 1GB/2GB DDR3 Onboard

**BIOS**
- AMI BIOS

**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
- Realtek 8111F GbE

**I/O interface**
- SATA 7P port x1
- Isolated RS-232 port x2
- Isolated RS-485 port x1
- CAN bus port x1
- USB port (Ver2.0) x2
- 10/100Mbps Ethernet port x1
- 10/100/1000Mbps Ethernet port x1

**Connector**
- 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

**Power Requirement**
- Single Voltage +5V @1.15A (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
- VDX3-6755 x1
- Screw Kit x1

### Ordering Information
- **VDX3-6755-1G**
  - Vortex86DX3 PC/104 CPU Module with 1GB DDR3
  - Isolated RS232 to CANBus adapter with (1 Mbaud)
  - CAN 2.0B support for VDX3-6755 only
- **VDX3-6755-2G**
  - Vortex86DX3 PC/104 CPU Module with 2GB DDR3
  - SerialCAN
- **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