



## Specifications

<b>SoC</b>	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
<b>Cache</b>	L1:16K I-Cache, 16K D-Cache L2 Cache 128KB
<b>Bus</b>	16-bit x-ISA interface
<b>BIOS</b>	AMI BIOS
<b>System Memory</b>	256/512MB DDR2 Onboard
<b>Watchdog Timer</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>Flash Disk Support</b>	Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
<b>PWM</b>	16 Channels
<b>I/O Interface</b>	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x1 USB port (Ver2.0) x1 16-bit GPIO port x1 10/100Mbps Ethernet portx1
<b>Connectors</b>	2.0mm 44-pin box header for IDE x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for RS-232 x1 2.54mm 5-pin header for Keyboard x1 1.25mm 6-pin wafer for JTAG x1 External RJ-45 connector for Ethernet x1
<b>Power Requirement</b>	Single Voltage +5V @ 320mA
<b>Weight</b>	42g
<b>Board Size</b>	80 x 50mm (3.14 x 1.96 inches)
<b>Operating Temperature</b>	-20°C ~ +70°C -40°C ~ +85°C (Optional)

## Packing List

- VDX-6317-X x1
- CD for User's Manual & Driver x1
- Cable  
HDD 44P (2.0) x1  
RS-232 (2.0) x1  
GPIO (2.0) x2  
PS2 KB Black x1

## Ordering information

- **VDX-6317-X** Vortex86DX Mity-Mite CPU Module with 256MB DDR2
- **ICOP-2820** Mity-Mite VGA/LCD Development Kit

- 1 µProcessor Module
- 2 Mity/Tiny CPU Module
- 3 PC/104 CPU Module
- 4 Half-Size CPU Module
- 5 3.5" CPU Module
- 6 Peripheral Module
- 7 Display Product Series
- 8 Accessories & Technical Information