



Unit: mm

Specifications

SoC	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache L2 Cache 128KB
Bus	16-bit x-ISA interface
BIOS	AMI BIOS
System Memory	256MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5µ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
LAN	Integrated 10/100Mbps Ethernet
Flash Disk Support	Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
PWM	16 Channels
I/O Interface	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
Connectors	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
Power Requirement	Single Voltage +5V @ 380mA
Weight	42g
Board Size	80 x 50mm (3.14 x 1.96 inches)
Operating Temperature	-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) x1
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

Hall-Size CPU Module

5

3.5" CPU Module

6

Peripheral Module

7

Display Product Series

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Accessories & Technical Information