



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	256/512MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5 μ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
Flash Disk Support	Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
PWM	24~32 Channels
SRAM support	512KB (Optional)
I/O Interface	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x1 RS-232/422/485 port x1 USB port (Ver2.0) x2 Parallel port x1 16-bit GPIO port x2
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 10pin box header for USB x1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x2 2.0mm 10-pin box header for RS-232 x2 2.0mm 2-pin header for Reset x1 2.0mm 2-pin header for Console redirection x1 2.54mm 5-pin box header for Keyboard x1 1.25mm 6-pin wafer for JTAG x1
Power Requirement	Single Voltage +5V @ 360mA
Weight	56g
Board Size	100 x 66mm (3.94 x 2.6 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Packing List

- VDX-6316RD x1
- CD for User's Manual & Driver x1
- Cable
HDD 44P (2.0) x1
PRINT (2.0) x1
RS-232 (2.0) x2
USB (2.0) x1
GPIO (2.0) x2
PS2 KB White x1

Ordering information

- **VDX-6316RD** Vortex86DX Tiny CPU Module with 256MB DDR2
- **VDX-6316RD-512** Vortex86DX Tiny CPU Module with 512MB DDR2
- **ICOP-2720** Tiny VGA/LCD Development Kit