Industrial Computing
Products and Services

Panel PC's

Industrial PC's

SBC's

Industrial Displays

Electronic Design

dsl
Embedding the future

Why Choose DSL?

- ✓ Lifetime technical support
- ✓ Fully customisable products
- ✓ Product branding (bezel colours + company logos)
- ✓ Free pre-installation of OS and your software

Our Services

- ✓ Electronic Design
- ✓ Production Management
- ✓ Assembly and test
- ✓ Bespoke BIOS creation

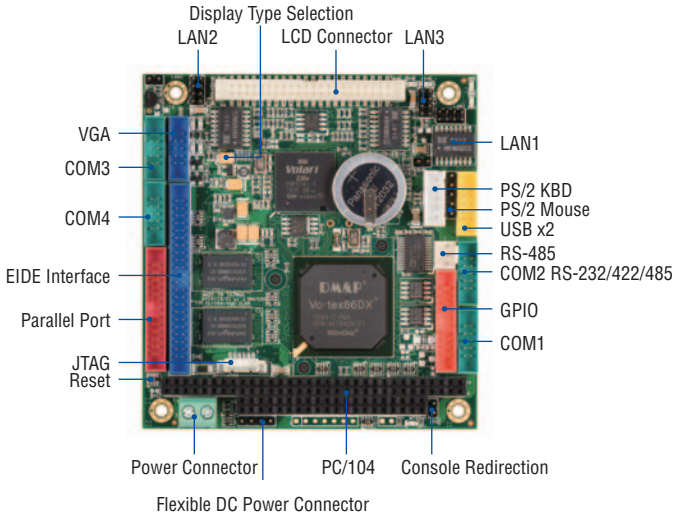
sales@dsl-ltd.co.uk

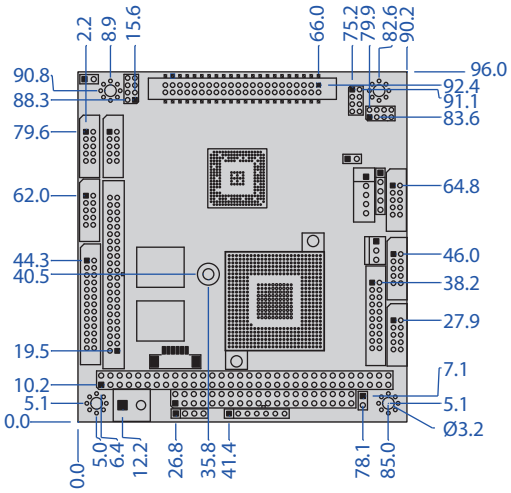
or call us on +44 (0)1462 675530

DSL Ltd. | 4 Aylesford Court, Works Road, Letchworth Garden City, Hertfordshire, SG6 1LP

VDX-6357D

256MB/4S/2USB/VGA/LCD/ 3LAN/GPIO/PWMx16





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	PC/104 standard compliant
BIOS	AMI BIOS
System Memory	256/512MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5µ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	XGI Volari Z9s Chipset VGA and TFT Flat Panel Interface Support Onboard 32MB VGA Memory, support resolution up to 1280 x 1024, 16M colors
LAN	Integrated 10/100Mbps Ethernet Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability
Flash Disk Support	Onboard 4MB SPI Flash Disk MSTI EmbedDisk Module (16MB and above) 44-pin IDE to Micro SD (Optional)
PWM	16~24 Channels
SRAM support	512KB (Optional)
I/O Interface	Enhanced IDE port (UltraDMA-100/66/33) x1 RS-232 port x3 RS-232/422/485 port x1 USB port (Ver2.0) x2 Parallel port x1 16-bit GPIO port x1 10/100Mbps Ethernet port x3
Connectors	2.0mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.0mm 10-pin box header for VGA x1 2.0mm 10-pin box header for USB x1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 8-pin header for Ethernet x3 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, DC-in x1 2.54mm 3-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1 2.54mm 7-pin header for Redundancy Signal x1 (Optional) 2.54mm 2-pin header for System-Fail-SW x1(Optional) 1.25mm 6-pin wafer for JTAG x1
Power Requirement	Single Voltage +5V @ 800mA
Weight	90g
Board Size	90 x 96mm (3.54 x 3.77 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Packing List

- VDX-6357D x1
- CD for User's Manual & Driver x1
- Cable
  HDD 44P (2.0) x1
  PRINT (2.0) x1
  VGA (2.0) x1
  RS-232 (2.0) x4
  USB (2.0) x1
  NET 4x2 (2.0) x3
  GPIO (2.0) x1
  PS2 KB White x1
  PS2 Mouse Black x1
- Screw Kit x1

Ordering information

- **VDX-6357D** Vortex86DX PC/104 CPU Module with 256MB DDR2
- **VDX-6357D-512** Vortex86DX PC/104 CPU Module with 512MB DDR2