



DATA SOUND - LABORATORIES -

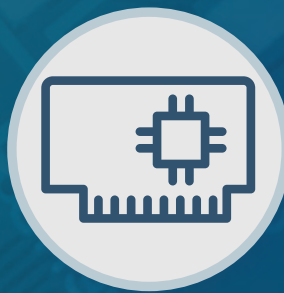
.....
EMBEDDING THE FUTURE



**Electronic
Design**



**Panel
PC / HMI**



**Single Board
Computer**



**Industrial
PC**

Why choose DSL?

- Over 25 Years Industry Experience
- 5 Years Warranty on all Products
- Evaluation Products Available
- Lifetime Technical Support

Our Services

- Electronic Design
- Production Management
- Assembly and Test
- Bespoke BIOS Creation
- Industrial Embedded PC Solutions



Call us on +44(0)1462 675530



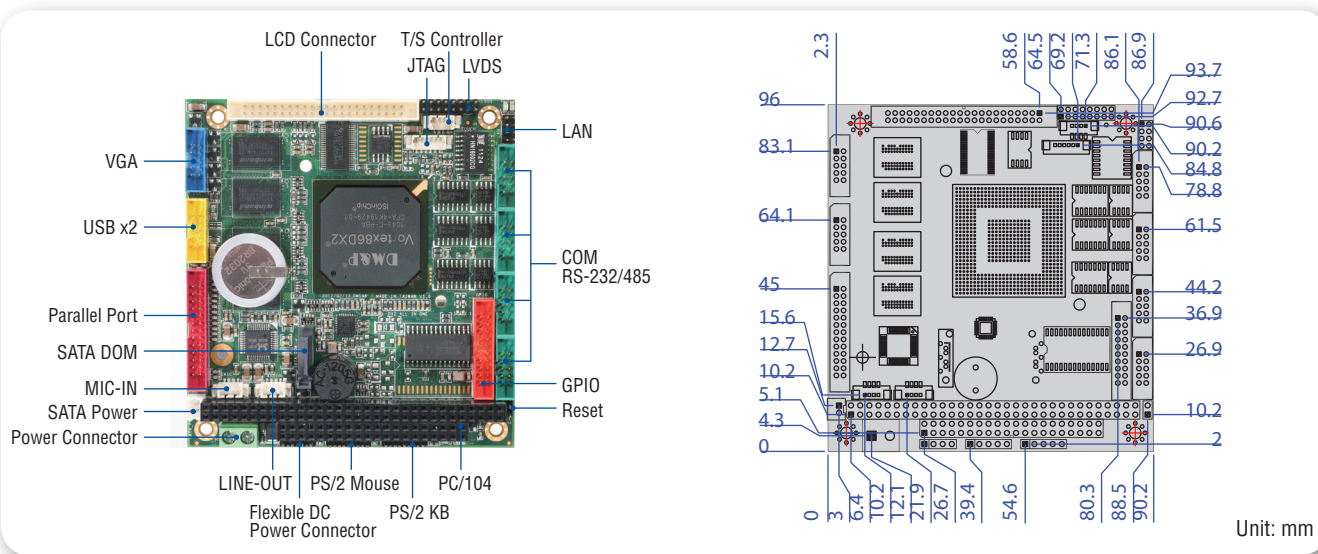
Email us at sales@dsl-ltd.co.uk



www.dsl-ltd.co.uk

VDX2-6554-1G

1GB/4S/2USB/VGA/LCD/LVDS/LAN/
AUDIO/GPIO/PWMx16



Specifications

Processor	DM&P SoC CPU Vortex86DX2- 800MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache,L2 Cache 256KB
VGA	Integrated 2D VGA chip VGA and TFT/LVDS Flat Panel Interface Support (Either VGA or LCD) Share system memory 16MB/32MB, Mono, DSTN, STN, TFT Flat Panel interface support & resolution up to 1280x1024, 16M colors
System Memory	1GB/512MB DDR2 Onboard
BIOS	AMI BIOS
Bus	PC/104 standard compliant
Watchdog Timer /O&I Sets	Software programmable from 30.5μ sec.to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
LAN	Integrated 10/100Mbps Ethernet
Audio	ALC 262 (HD Audio)
Flash Disk Support	Onboard 4MB SPI Flash Disk
PWM	12 Channels
Touch controller	PS/2 interface(Optional)
I/O interface	SATA 7P port x1 RS-232/485 port x4 USB port (Ver2.0) x2 USB hot SWAP x1 (Optional) Parallel port x1 16-bit GPIO port x2 10/100Mbps Ethernet port x1
Connector	SATA 7P for SATA x1 2.0mm 44-pin box header for LCD x1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 16-pin header for LVDS x1 2.0mm 10-pin box header for VGA x1 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for RS-232 x4 2.0mm 8-pin header for Ethernet x1 2.54mm 5-pin 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 2-pin header for Reset x1 1.25mm 6-pin wafer for JTAG x1 1.25mm 4-pin wafer for Line-out/MIC-in x2 1.25mm 4-pin wafer for Touch Screen x1

Power Requirement	Single Voltage +5V @ 900mA
Dimensions	90mm x 96mm (3.54 x 3.77 inches)
Weight	100g
Operating Temperature	-20°C ~ +70°C

Packing List

- VDX2-6554 x1
- Cable
PRINT (2.0) x1
GPIO (2.0) x1
VGA (2.0) x1
USB (2.0) x1
RS-232 (2.0) x4
NET 4 x 2 (2.0) x1
PS2 KB White x1
PS2 Mouse Black x1
Audio Line x2
- Screw Kit x1

Ordering Information

- **VDX2-6554-1G** Vortex86DX2 PC/104 CPU Module with 1GB DDR2
- **VDX2-6554-512** Vortex86DX2 PC/104 CPU Module with 512MB DDR2