Isolated USB 2 or 4 Port to RS-232 Converters

USO9ML2-2P & USO9ML2-4P

B+B SMARTWORX

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PRODUCT FEATURES

- · Connects Multiple RS-232 Devices to Your USB Port
- 2000 V RMS Port-to-Port Optical Isolation
- 15 KV ESD Surge Protection
- USB Port Powered or External Power
- Supports USB 2.0 (backward compatible)
- High Retention USB Port Ensures A Reliable Connection
- RS-232 Data Rates up to 460.8 kbps
- LED's Indicate Data Flow on RS-232 Ports
- Automatic Configuration on Windows 2000, XP, Vista, 7 (32/64 bit)

Connect legacy RS-232 devices to a USB port and with 2000 V RMS isolation from voltage spikes and ground loops.

Universal Serial Bus (USB) has become the connectivity workhorse of today's PCs, replacing the familiar serial ports. However, many commercial and industrial devices still use the RS-232 interface. To connect these devices to modern PCs and provide protection from electrical transients, you need a simple and reliable conversion solution.

The USO9ML2-2P and USO9ML2-4P offer this solution. Simply plug the converter into an available USB port on your computer or USB hub and install the drivers supplied on CD ROM. The device will show up as additional COM ports in the Windows Device Manager which are fully compatible with your Windows applications. A one meter USB cable is included.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
USO9ML2-2P	Isolated USB to 2-Port RS-232 Converter
USO9ML2-4P	Isolated USB to 4-Port RS-232 Converter

ACCESSORIES

USBAMBM-3F - 3 ft. (1 m) USB Cable (one included)		
USBAMBM-6F - 2 m (6 ft.) USB Cable		
9PAMF6 - 2 m (6 ft.) DB9 Male to DB9 Female Cable		
9PAMF10 - 3 m (10 ft.) DB9 Male to DB9 Female Cable		
232NM9 - 3 m (6 ft.) DB9 Female to DB9 Female Null Modem Cable		
232NM9MF10 - 3 m (10 ft.) DB9 Male to DB9 Female Null Modem Cable		
MDR-20-24 - DIN Rail Mount, 24 VDC, 1 A Power Supply		
12DC1AST - DC Power supply Unregulated 12VDC@1000mA		

All product specifications are subject to change without notice. USO9ML2-2P & USO9ML2-4P_1417ds



www.esis.com.au Ph 02 9481 7420 Fax 02 9481 7267 esis.enq@esis.com.au



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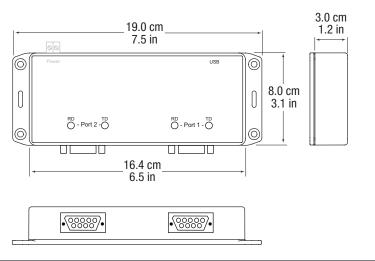


SPECIFICATIONS

SERIAL TECHNOLOGY	SERIAL TECHNOLOGY			
RS-232 Configuration	DTE			
RS-232 Connector	DB9 Male (DTE)			
Data Rate	460.8 kbps (max)			
Isolation	2000 V (Port-to-Port) Optical			
Surge Protection	15 KV ESD			
USB TECHNOLOGY				
Connector	USB Type B Female, high retention Withdrawal > 15 N			
Standard	1.1 and 2.0 Compatible			
Data Rate	12 Mbps			
POWER				
Source	USB Port or External Source			
Input Voltage	5 VDC from USB Port or 10 - 30 VDC External Power Supply			
Consumption	Higher Power Device (>100 mA) USO9ML2-2P: 3 Watts, External Power Supply USO9ML2-4P: 5 Watts, External Power Supply			
SOFTWARE				
Driver CD	Windows 2000, XP, Vista, 7 (32/64 bit)			
MECHANICAL				
Dimensions	16.4 x 3.0 x 8.0 cm (6.5 x 1.2 x 3.1 in) without flanges 19.0 x 3.0 x 8.0 cm (7.5 x 1.2 x 3.1 in) with flanges			
Weight	2 Port 0.73 lbs (331.1 g), 4 Port 0.77 lbs (349.3 g)			
ENVIRONMENTAL				
Operating Temp	32 to 158 °F (0 to 70 °C)			
Storage Temp	-40 to 185 °F (-40 to 85 °C)			
Operating Humidity	0 to 95% (Non-condensing)			
MTBF (USO9ML2-2P)	118245 hours			
MTFB (USO9ML2-4P)	61861 hours			
MTBF Method	Parts Count Reliability Prediction			
REGULATORY				
Approvals	FCC, CE, UL			

RS-232 PIN-OUT (DTE / DB9 MALE)		
PIN	Direction	Signal Name
1	Input	DCD (Receive Line Signal Detector)
2	Input	RD (Receive Data)
3	Output	TD (Transmit Data)
4	Output	DTR (DTE Ready)
5	N/A	SG (Signal Ground)
6	Input	DSR (DCE Ready)
7	Output	RTS (Request to Send)
8	Input	CTS (Clear to Send)
9	Input	RI (Ring Indicator)

MECHANICAL DIAGRAM - USO9ML2-2P



MECHANICAL DIAGRAM - USO9ML2-4P

