Single Port RS-232 USB Serial Adapter – Optical-ISO – Surge Protection

Model Number: USB-COM-Si-M

The USB-COM-SI-M USB to Serial Adapter is designed to make serial port expansion quick and simple. The USB Serial Adapter provides instant connectivity to RS-232 communication device for factory automation equipment, multi-drop data collection devices, barcode readers, time clocks, scales, data entry terminal and serial communication in harsh environment. The USB to Serial Adapter is suitable for remote access, retail and industrial application, data collection and other applications requiring high speed RS-232 communication ports.

Features

- TAA Compliant.
- 2000V DC optical isolation.
- 25KV ESD surge protection.
- Industrial metal housing with DIN rail bracket.
- Full RS-232 modem control signals and hardware/software flow control.
- Baud Rate from 300bps up to 921.6Kbps supported.
- 512 byte transmit FIFO & 512 byte receive FIFO.
- Transmit (TxD) and Receive (RxD) LEDS on unit for visual reference.
- Universal Serial Bus (USB) port offers easy plug and Play Operation.

Product Information

- **Model Number:** USB-COM-Si-M
- **Packing List:**
  - RS-232 Single Port Serial Adapter
  - 3ft USB Type-A to B Device Cable
  - Driver Disk
- **Optional Accessories:** N/A

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Specifications

Overview

Interface	USB to Serial
Protections	2000 Volt DC optical isolation / Up to 25KV ESD surge protection
Port Connections	1x DB-9 Male / USB Type-B Female Upstream
Protocol	RS-232
FTDI Chip	FT231XQ-R
Data Rate	300bps up to 921.6Kbps
Color	Black
Compliance	TAA
Certifications	CE, FCC

Physical Features

Construction	SECC Metal
Cable Length	3ft.
Dimensions	2.83(L) x 2.29(W)(3.20in with ears) x .895in(H)
Weight	0.3 lbs
OS Support	Windows 7, and Windows 8, 8.1, 10, Linux, Mac OS 10.X

Serial Signals

RS-232 Data Signals	TxD, RxD, RTS, CTS, DSR, DTR, DCD, RI, GND

Serial COM Parameters

Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	Hardware (RTS/CTS) XON/XOFF
FIFO	512 byte transmit / 512 byte receive
USB Speed	12Mbps, full-speed USB

Power Modes

Input Power	Self-powered, 5V DC, 2A power adapter

Environment

Operating Temperature	0 to 55°C (32 to 131 °F)
Operating Humidity	5 to 95% RH
Storage Temperature	-20 to 75°C (-4 to 167 °F)

General Applications

Applications	Connectivity with modems, ISDN TAs, PDAs, handheld & pocket PCs, digital cameras, POS, serial printers, remote access and other RS-232 Serial communications.

Product URL

USB-COM-Si-M product page	https://www.coolgear.com/product/single-port-rs-232-usb-to-serial-adapter-with-optical-isolation-and-surge-protection