



Technical Data Sheet

Mini USB to Terminal RS422 RS485 FTDI Plug-in Adapter

Model Number: USBG-422MiNi



This mini is a surge and static protected USB to RS-422/485 Plug-in Adapter. The USBG-422MiNi USB-to-Industrial Single RS-422/485 Plug-in Adapter is designed to provides instant connectivity to RS-422/485 communication device for factory automation equipment, multi-drop data collection devices, barcode readers, time clocks, scales, data entry terminals, PC-to-PC long distance communications and serial communication in harsh environments.

Features

- TAA Compliant.
- Supported by Windows 10.
- Adds a high speed RS-422 / 485 serial port
- Requires no IRQ, DMA, I/O port
- Connector: one 6-pin terminal block connector.
- Auto-transmit buffer control for 2-wire RS-485 half-duplex operation.
- Wide ambient temperature operation
- LEDs of TxD, RxD indicating port status
- Provides 15KV ESD protection and 600W surge protection
- TDI virtual COM port drivers provided

Product Information

- **Model Number:** USB-4COM
- **Packing List:**
 - RS-422/485 Serial Adapter
 - 3ft. USB-A male to USB-B male cable
 - Driver Disk
- **Optional Accessories:** N/A

Specifications

Overview

Interface	USB to Serial
Port Connections	1x 6-Wire Terminal Connector / 1USB Type-A Male
Protections	15KV ESD protection and 600W surge protection
USB Speed	USB 1.0 / 1.1 compliant, USB 2.0 compatible up to 480Mbps
Protocol	RS-422 / RS-485
Available Power Modes	USB Bus Powered, no external power adapter required
Color	Blue
Compliance / Approvals	TAA / CE, FCC approval

Physical Features

Construction	Plastic
Cable Length	3ft.
Dimensions	1.91(L) x 1.55(W) x .736in(H)
Weight	.043 lbs
OS Support	Windows 10, 8, 7, Vista, Server 2012, 2008, 2003, XP, 2000 - Linux kernel 2.4 and up built-in support

Data Information

Receive Buffer	256 bytes receive buffer for high speed data throughput
Transmit Buffer	128 bytes transmit buffer for high speed data throughput
Data Speed	300 bps to 1M bps

Data Signals

RS-422 (4 wire)	TxD-, TxD+, RxD+, RxD-, GND
RS-485 (4 wire)	TxD-, TxD+, RxD+, RxD-, GND
RS-485 (2 wire)	data-, data+ GND

Temperature

Operating Temperature	Wide ambient temperature operation 0°C to 60°C (32°F to 140°F)
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Indicators

LED	built-in LED status indicators for TxD and RxD
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General Applications

Applications	Factory automation equipment, multi-drop data collection devices, barcode readers, time clocks, scales, data entry terminals, PC-to-PC long distance communications and serial communication.
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Product URL

USBG-422MiNi product page	https://www.coolgear.com/product/mini-usb-to-terminal-rs422-rs485-ftdi-plug-in-adapter
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