



# Industrial 8-Port DB-9 RS232 to USB Adapter w/ISO and Surge Protection

## Product Manual



Coolgear, Inc.

Version 1.1

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Model Number: CM-41082

## Revision History

Revision	Date	Author	Comments
1.1	04/17/2018	Coolgear	New Manual

## About this document

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This product manual outlines installation and features of the CM-41082 Industrial 8-Port DB-9 RS232 to USB Adapter w/ISO and Surge Protection.

## Scope

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The scope of this manual is to give the user of the product an understanding of its use with detailed diagrams and verbiage. The manual allows the users to apply the product to their application.

## Intended Audience

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This product is intended for use in numerous industries including but not limited to applications such as; PC use, Thin Client, and Server applications.

## Product Support

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[support@coolgear.com](mailto:support@coolgear.com)

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## 1. Introduction

The CM-41082 is an Isolation and surge protection 8S RS232 to USB serial adapter that is designed for PC, thin client, or server to provide instant COM port expansion via the Universal Serial Bus (USB). The CM-41082 provides the scalability to quickly adapt to new USB technologies. Multiple modules can be added to a single USB interface allowing you to add RS232 connectivity as needed. With the USB Plug-and-Play feature, simply plug in, follow the instructions of Install Wizard, then you are done. You don't have to deal with Card Slots, I/O address, IRQ jumpers, DMA and others when you are connecting the devices. The System will recognize the device and install the drivers automatically. The CM-41082 is an ideal solution for your expanding applications.

WEIGHT	1.237 lbs
DIMENSIONS	6.83"(L) x 3.83"(W) x 1.70"(H) (17.35 x 9.72 x 4.32 cm)
UPC	729440691806
WARRANTY	1 year from date of purchase
COLOR	Black
PORTS	(8) DB-9 Male Serial Port

### 1.1 Features

<ul style="list-style-type: none"> <li>• TAA Compliant</li> <li>• Provides 8 RS232 Serial Ports over USB Port.</li> <li>• Provides 8 DSUB-9 Connectors.</li> <li>• Baud Rate from 300 bps to 921.6Kbps.</li> <li>• Supports 7,8 Data Bits.</li> <li>• Odd, Even, Mark, Space, or None parity mode.</li> </ul>	<ul style="list-style-type: none"> <li>• Supports 1, or 2 Stop Bits.</li> <li>• Provides 2,500Vrms Optical Isolation.</li> <li>• Built-in Bi-direction Surge Protection Circuits.</li> <li>• Supports USB Bus Power.</li> <li>• DC Jack for Optional DC 5V Power Input.</li> <li>• Supports Win98, Me, XP, CE, Win2000, 2003, 2012, Vista, Win 7, 8.x and Linux.</li> </ul>
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### 1.2 Specifications

#### USB Port

Fully compatible with USB1.0 and USB1.1; Forward compatible with USB2.0.

#### Serial Port

Supports 8 DB9-Male UART Serial ports, the key benefits are:

<ul style="list-style-type: none"><li>• Data Rate from 300 bps to 921.6Kbps</li><li>• Supports 7,8 Data Bits.</li><li>• Supports 3-wire RS232 Signals (TXD, RXD, GND).</li></ul>	<ul style="list-style-type: none"><li>• Odd, Even, Mark, Space, or None parity mode.</li><li>• Supports 1 or 2 Stop Bits.</li><li>• Supports Isolation and Surge Protection Features.</li></ul>
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**OS Support**

Windows 98, Me, XP, 2000, 2003, CE, 2012, Vista, Win 7, 8.x and Linux

**Power Requirements**

- Normally Power solely from USB Bus, no external power supply needed.
- A +5V DC Jack Input for supports Power over DB9-Male applications.

## 2. Notes, Tips, and Warnings

<b>Note</b>	N/A
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<b>Tip</b>	N/A
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<b>Warning</b>	N/A
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<b>Safety</b>	
	<ul style="list-style-type: none"><li>• Read the entire Product Manual before implementing this product for your application. This manual contains important information about electrical connections that must be followed for safe and proper operation.</li><li>• Inspect the product closely for visual defects before putting it to use.</li><li>• Keep away from areas where moisture builds, this product contains electrical components that can be damaged by moisture build up, this can adversely affect your equipment connected to it.</li><li>• Do not disassemble the product. Handling the product's internal components can expose it to ESD (Electro-Static Discharge) hazards that can affect the function of the device.</li><li>• If this product is not functioning properly, email our support team at <a href="mailto:support@coolgear.com">support@coolgear.com</a>.</li></ul>

### 3. Supporting References

Document	Link
Website Product Page	<a href="https://www.coolgear.com/product/industrial-8-port-db-9-rs232-to-usb-adapter-with-isolation-and-surge-protection">https://www.coolgear.com/product/industrial-8-port-db-9-rs232-to-usb-adapter-with-isolation-and-surge-protection</a>

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