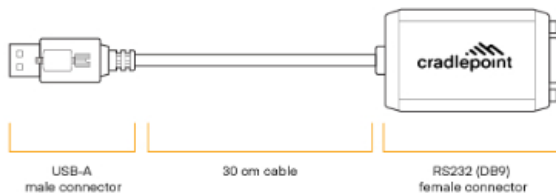


Data Sheet

USB to RS232 Extensibility Cable

2023 - 03 - 07

The USB to RS232 Extensibility Cable adds serial connectivity to the R920 Series Ruggedized Router. It is a ruggedized locking cable that allows OBD-II cables, J1939 cables, and other serial devices to be connected to the router.




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Notable Benefits

- Locking USB-A feature for secure connection to the router with a robust thumb screw
- DB9/RS232 connection does not require external power
- Provide OBD-II Support (R920 with OBD-II cable)
- Enables GPS data transfer through serial interface
- Allow serial redirect for LTE reporting of data through the serial port

Basic Pinouts

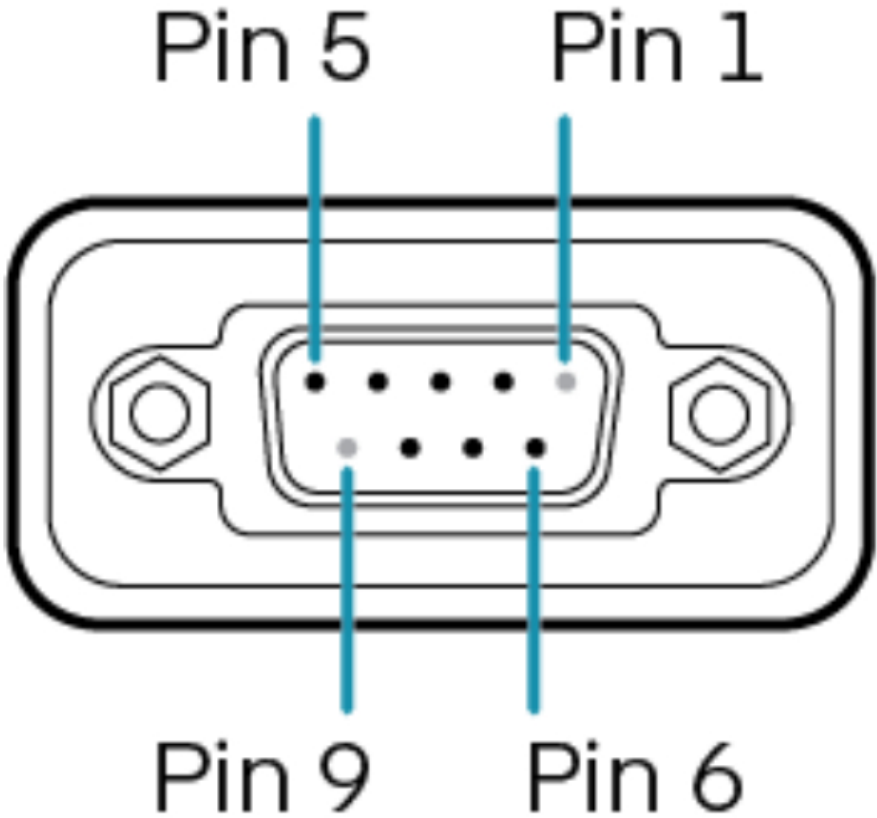
USB-A PINS	DESCRIPTION
1	Power +5 V
2	Data -
3	Data +
4	Ground (GND)

RS232 (DB9) PINS	DESCRIPTION
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1	Not connected
2	Transmit (TX) Output
3	Receive (RX) Input
4	Data Set Ready (DSR) Input [†]
5	Ground (GND)
6	Data Terminal Ready (DTR) Output [†]
7	Clear to Send (CTS) Input
8	Request to Send (RTS) Output
9	Not connected

[†]DSR/DTR signals are present on the extensibility cable but are not currently supported by NetCloud OS.

RS232 (DB9)



Hardware Specifications

The following features are delivered through the hardware.

TECHNOLOGY

Cable Type:	USB-A to RS232
Connector Type:	USB-A male to DB9 female
Locking Feature:	Screw-Locking USB-A connector on one end RS232 DB9F connector with screw receptacles for locking
DATA TRANSFER	
Data Transfer Rate:	USB 2.0 up to 480 Mbps
COMPATABILITY	
Supported Routers:	R920 Series Ruggedized Router
ENVIRONMENTAL	
Temperature:	Operating: -30 °C to 70 °C (-22 °F to 158 °F) Storage: -40 °C to 70 °C (-40 °F to 158 °F)
Humidity:	Operating: 10% to 90% Storage: 5% to 95%
PHYSICAL	
Length:	400 mm (15.75 in)
Weight:	45.35 g (1.6 oz)
CERTIFICATIONS	
Safety:	UL/cUL/CB 62368-1, CB 60950-1, NRCS, CID2
Materials:	RoHS, WEEE, REACH, California Prop 65, Taiwan RoHS
Regulatory:	FCC (U.S.), IC (Canada), CE (EU), UKCA (United Kingdom), VCCI (Japan), BSMI (Taiwan), NOM/NYCE (Mexico), RCM (AU/NZ), SABS (South Africa)

Ordering Guide

The USB to RS232 Extensibility Cable is an accessory for Cradlepoint routers. Use of the extensibility cable requires a compatible Cradlepoint router that is licensed to a NetCloud Service Plan.

NetCloud Packages for the USB to RS232 Extensibility Cable

REGION	DESCRIPTION	PART NUMBER
Worldwide: Argentina, Australia, Canada, Chile, Colombia, Costa Rica, European Union, Hong Kong, India, Israel, Japan, Malaysia, Mexico, New Zealand, Philippines, South Korea, Singapore, South Africa, Taiwan, Thailand, United Kingdom, United States, and Vietnam	USB to RS232 Extensibility Cable	170873-000

Support & Warranty

The USB to RS232 Extensibility Cable is only sold as an accessory.

All Cradlepoint hardware products are covered by a limited lifetime warranty for as long as they have a subscription license to an active NetCloud Service Plan.

More Information

Find the most up-to-date information at cradlepoint.com/product/accessories/usb-rs232-extensibility-cable/