

Cradlepoint SERIAL CONSOLE SUPPORT

Out-of-Band Management for connected devices

Supported Products for USB-to-Serial: COR IBR600/IBR650, COR IBR600B/IBR650B, COR IBR600C/IBR650C, COR IBR900/IBR950, COR IBR1100/IBR1150; AER1600/AER1650, AER2100

Supported Products with RJ45 Console: CBA850 (for OOBM of a connected device), AER3100/AER3150 (to be managed)

Cables and Adapters



USB-to-Serial Adapter

Not sold by Cradlepoint

Example: [USBGear USBG-RS232-F12](#)

Note: Must include FTDI Chipset



USB to 4 Serial Port Adapter

Not sold by Cradlepoint

Examples of 1 to 4 adapter to support Out-of-Band Management to 4 connected devices:

[USBGear USBG-RS232 4 Port](#) or

[USB to 4 Port RS232 Serial Adapter DB9](#)

Note: Must include FTDI Chipset



USB to 8 Serial Port Adapter

Not sold by Cradlepoint

Example of 1 to 8 adapter to support Out-of-Band Management to 8 connected devices:

[USB to 8 Port RS232 Serial Adapter DB9](#)

Note: Must include FTDI Chipset



RS232 Cable

Not sold by Cradlepoint

DB9 RS232 cable will attach directly to the IBR1100 & IBR1150

Overview

When enabled in **SYSTEM > Serial Redirector**, it allows a USB-to-serial session to another device behind the router through a telnet session over the RS232 interface. That other device may be another router or device that has a RS232 serial console. A splitter may be used to connect multiple devices to the Cradlepoint but only one serial connection can be active at a time. No security is placed on this connection in addition to any security of the serially attached device. A USB-to-serial adapter that uses an FTDI chipset is required to use this feature on all products except IBR1100/IBR1150.

The IBR1100/IBR1150 supports this feature using the DB9 RS232 connector and does not use a USB to serial cable. The serial connection is enabled by default.

Key Features

- Remote out-of-band management
- Configure attached routers and devices
- Pass data with attached routers and devices
- Monitor health of attached routers and devices

Use Cases

- Configure another routers settings, like Cisco or Juniper, through the Cradlepoint.
- If your Cisco or Juniper router goes down, use the Cradlepoint router and its mobile broadband internet connection to remotely connect to and debug the device for out-of-band management.
- Communicate with any device with an RS232 interface over the telnet session.
- Monitor the health of an attached device with an RS232 interface.

Cables and Adapters (cont'd.)



Rollover Adapter

Converts Ethernet cable to Rollover cable
Successfully tested up to 100m with Juniper and Cisco products. Cradlepoint doesn't recommend runs over 50m without verifying individual installations. Check pinout for correct cable. Most Juniper products use a straight-through RJ45 cable and don't require this rollover adapter.

Rollover Adapter for RJ45 Ethernet Cable M/F
Cradlepoint Part # 170662-000



Serial Console Cable

RJ45 Rollover Serial Console Cable 7ft
Cradlepoint Part # 170663-000



Serial Console Cable

RJ45 Rollover Serial Console Cable 14ft
Cradlepoint Part # 170663-001

Notes on CBA850 and AER31x0

- CBA850 has an RJ45 console port for OOBM of a single connected device
- AER31x0 has an RJ45 console port to be managed

NOTE: It is possible to get the CBA850 and AER3100/AER3150 to work with a USB-to-serial cable (with one or more serial connections) if a high-speed USB hub is connected between the router and the USB-to-serial cable.