Cradlepoint SERIAL CONSOLE SUPPORT

Out-of-Band Management for connected devices

Supported Products: COR IBR600/IBR650, COR IBR1100/IBR1150; ARC MBR1400, ARC CBA850, CBA750B, AER2100

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 Settings -> 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 adaptor 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.

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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

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