

ARC CBA850

Failover & Out-of-Band Management Networking



THANK YOU FOR CHOOSING CRADLEPOINT

Cradlepoint is the leading provider of secure, cloud-managed 3G/4G/LTE networking solutions for the distributed enterprise with hundreds or thousands of locations. Our broad family of high-performance routers are designed for deployment in mission-critical applications that require 24x7 connectivity.

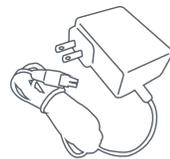
Always Connected. Always Protected.

ARC CBA850 Key Features:

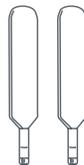
- + Plug-and-play overlay failover
- + Cloud-managed
- + Integrated 3G/4G/LTE
- + Integrated, multi-carrier software-defined radio
- + Out-of-Band Management
- + Power-over-Ethernet (PoE)
- + External antenna options
- + IPv6 support
- + RJ45 serial console port for direct Out-of-Band Management

Go to cradlepoint.com/cba850 to learn more.

WHAT'S INCLUDED:



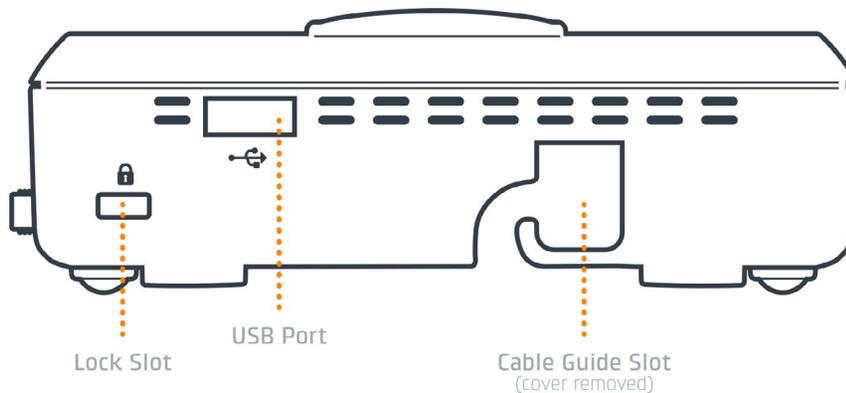
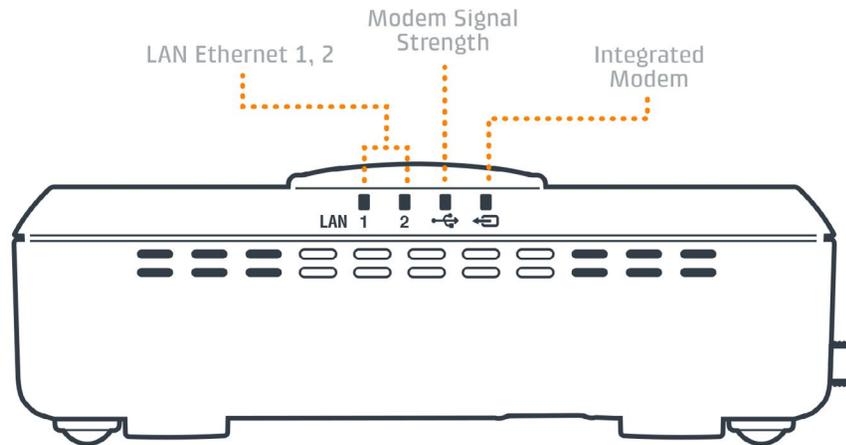
AC Power Adapter



Modem Antennas

+ Mounting Hardware

HARDWARE



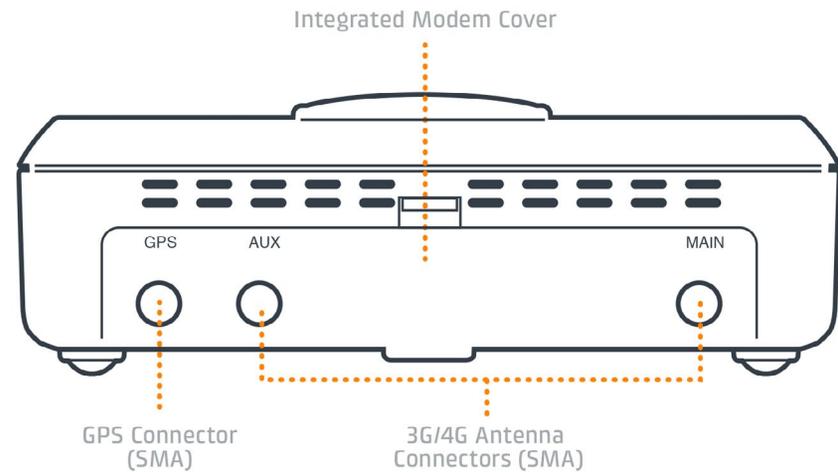
DEVICE DETAILS

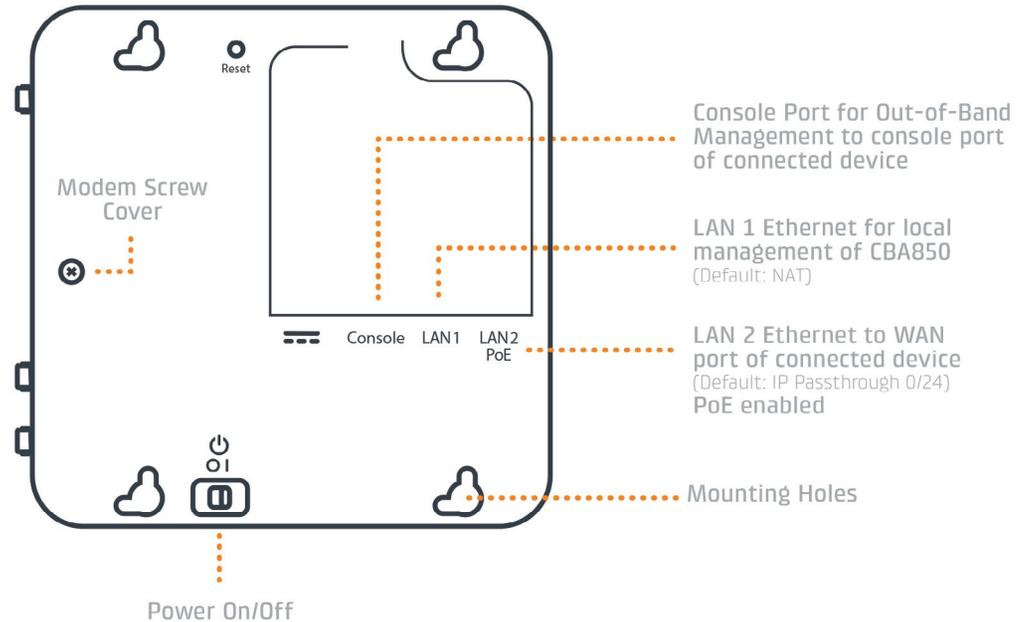
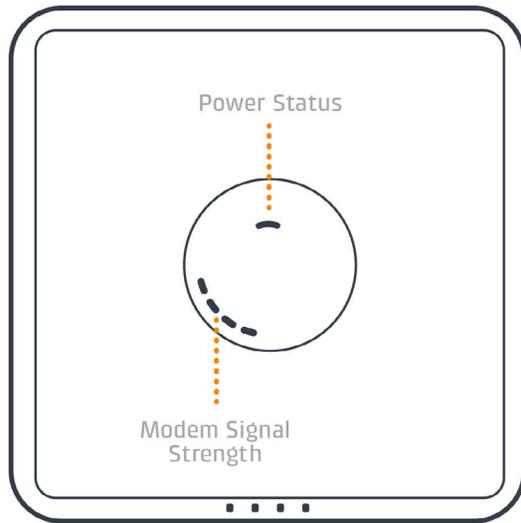
Accessories:

- + Directional Patch & Yagi Antennas
- + Omni-Directional Antennas
- + 12" Mag-Mount Antenna
- + 4" Mini Mag-Mount Antenna
- + DIN Rail Mounting Bracket
- + Wall/Ceiling Mounting Bracket
- + Rollover Adapter for RJ45 Ethernet Cable
- + RJ45 Rollover Serial Console Cable: 7ft & 14ft

Model Numbers:

CBA850 S4A452A





GETTING STARTED

Insert an Activated SIM into the Integrated Modem

The Cradlepoint ARC CBA850 requires a SIM with an activated wireless broadband data plan. Contact your carrier for details about selecting a data plan and about the process for provisioning your SIM.

Once you have an activated SIM, insert it into the integrated modem:

1. Remove the modem cover and pull out the integrated modem.
2. Insert the SIM card into the slot marked SIM 1 (use the other slot, SIM 2, for a secondary/backup SIM).

Be sure to insert the card with the notch-end first and the gold contacts facing down – it will click into place.

Reinsert the Integrated Modem

Slide the integrated modem back into its slot. Put the cover back into place and insert the included security screw if desired (requires small Phillips screwdriver).

NOTE: To remove modem, attach included modem antennas (finger-tighten only) and pull modem straight out.

Attach Included Modem Antennas

Antennas are finger-tighten only. Attach to connectors marked MAIN and AUX.

Connect to a Power Source

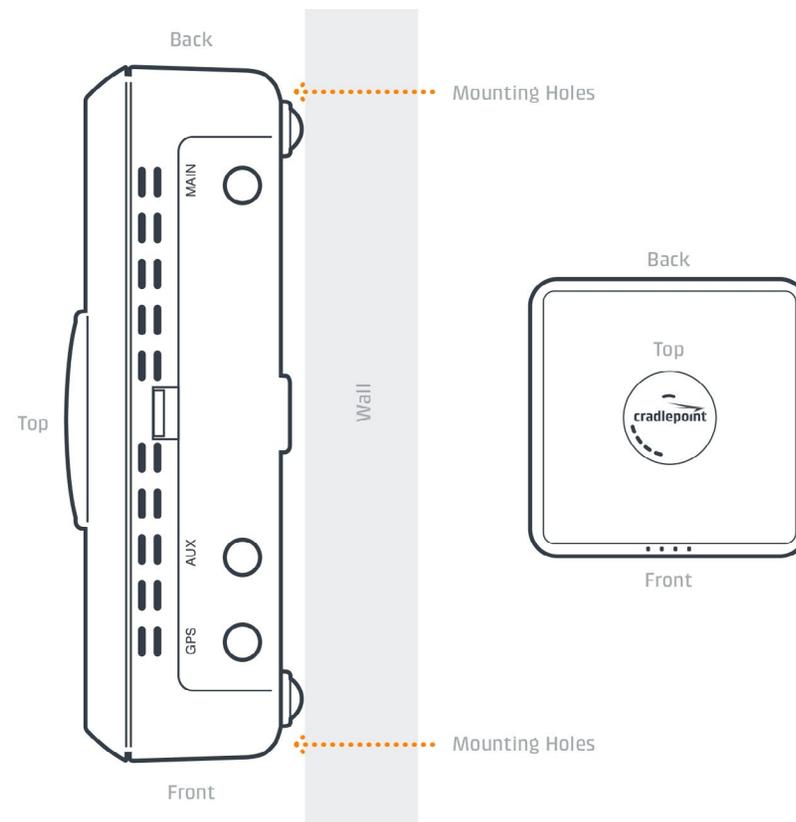
Attach the included adapter to the device and to a power source OR connect a POE-enabled RJ45 cable to LAN 2. Then turn the power switch on (I).

Connect to a Computer or other Network Equipment

Connect via Ethernet to LAN 1 for local management. Connect LAN 2 (Default IP Passthrough 0/24) to networking equipment to Passthrough 3G/4G Internet to Ethernet.

MOUNTING RECOMMENDATIONS

Preferred location is vertical wall mount near a window for best signal. Horizontal mounting or ceiling mount is not recommended where ambient temperatures exceed 40°C (104°F).



ACCESS THE ADMINISTRATION PAGES

To make configuration changes to your router, open the CBA850's GUI-based administration pages.

1. Connect to the router via Ethernet or WiFi.
2. Open a browser window and type “**cp/**” or “**192.168.0.1**” in the address bar and press return/enter.
3. When prompted for the Administrator password, type the default eight character password found on the product.
4. Upon login for the first time, you are automatically directed to the First Time Setup Wizard to configure Admin Password, Time Zone, WiFi Security, and WAN Failure Check.



Note: The power/attention LED will show amber until the user changes the default Administrator and WiFi passwords. Default passwords must be changed to secure the router.

FIRST TIME SETUP WIZARD

When you log in to the local administration pages for the first time, you will be automatically directed to the **First Time Setup Wizard**, which will walk you through basic steps to customize your Cradlepoint ARC CBA850. You have the ability to configure any of the following:

- + Administrator Password
- + Security Mode
- + Modem Authentication
- + Time Zone
- + Access Point Name (APN)
- + Failure Check
- + WiFi Network Name

If you are currently using the router's WiFi network, you will need to reconnect your devices to the network using the newly established wireless network name and password.



Deploy and Manage the Intelligent Network with Cradlepoint NetCloud

Cradlepoint NetCloud is a network management and application platform that integrates cloud-based, software-defined networking with your Cradlepoint devices to improve productivity, increase reliability, and reduce costs.

NetCloud includes SD-WAN capabilities and SD-Perimeter to enhance the security and scalability of your network and business operations.

To learn more and begin a free 30-day trial:
cradlepoint.com/netcloud
 Sales & Support: +1 855-813-3385

To return to the First Time Setup Wizard after your initial login, select 'System > System Control' on the left navigation bar and First Time Setup in the dropdown menu.

To restore the router to its factory default settings, press and hold the RESET button on the side of the device for ten seconds. Reset returns the login password to the default password and resets all configuration changes.

UPDATING NETCLOUD OS

Via NetCloud Manager

1. Log in at cradlepointecm.com using your NetCloud Manager credentials.
2. Navigate to the 'Groups' page.
3. Select a group and click on the NetCloud OS option in the top toolbar. In the dropdown menu that opens, select the desired version. Wait for NetCloud OS to load.

Via the Local Administration Pages

1. Log into the local administration pages (see page 3). You may have changed the Administrator Password.
2. Select 'System > System Control > System NetCloud OS'.
3. If a new NetCloud OS version is available, select 'Automatic (Internet)'. Wait for NetCloud OS to load.

If you do not have an active Internet connection, you may need to use the 'Manual NetCloud OS Upload' option by downloading a new NetCloud OS version from the Cradlepoint Connect Portal to a local device.

Upload to the router on the System > System Control > System NetCloud OS page.

ROUTER COMMUNICATION / DATA USAGE

The factory default configuration of the router is set to communicate with Cradlepoint and other resources at regular intervals to access the latest NetCloud OS and modem updates, clock synchronization (NTP), and NetCloud Manager membership. Such communication may result in data usage and applicable charges regardless of whether the router uses a wired or wireless Internet connection. To avoid such data usage and potential charges, consult the following Knowledge Base article:

<http://knowledgebase.cradlepoint.com/articles/Support/router-communication-data-usage>