

CradlePoint ARC CBA750 Series

INTEGRATED MOBILE BROADBAND ADAPTER

Wireless WAN connectivity for distributed business locations



PERFORMANCE AND RELIABILITY

Engineered for day-in, day-out 24/7 Internet connectivity, the Integrated Business Series products extend the benefits of WiPipe technology across the router and the modem, ensuring reliable connections when you need them. Power-Over-Ethernet enables flexible mounting location and external high-gain antennas ensure optimal performance in areas of low signal strength.

REMOTE MANAGEMENT

CradlePoint products can be configured and monitored easily, without installing any additional software. WiPipe Central Remote Management Portal allows you to keep tabs on all your devices, check status, configure settings and update firmware. WiPipe Central complements other management platforms you may use already.

KEY FEATURES

- Integrated 3G/4G mobile broadband connectivity
- “Drop-Into” existing network for a turnkey failover solution
- Remote management capabilities
- Power-over-Ethernet

Mobile Broadband to Ethernet Adapter

WIRELESS WAN CONNECTIVITY

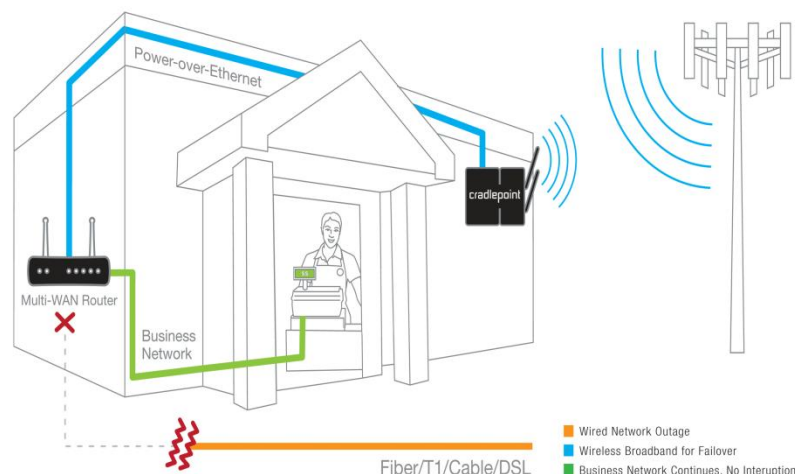
The CradlePoint CBA750 Integrated Mobile Broadband Series adapters enable easy-to-install wireless WAN connectivity in fixed-business locations. For distributed enterprises like branch offices, retail stores, restaurants, and small businesses, the CBA750 provides 3G/4G wireless network connectivity to keep your business up and running.

FAILOVER MADE SIMPLE

The CradlePoint CBA750 3G/4G Mobile Broadband Adapter provides IP Pass-Through capabilities for any device that requires wireless broadband access. For most applications, simply connect the CBA750, to an existing CPE router configured for WAN failover, and it's ready to go. The CBA750 handles the wireless WAN connection through the integrated 3G/4G modems when failover occurs.

PRIMARY CONNECT IS EASY TOO

For temporary networks, or when wired connections are impractical, the CBA750 can serve as a primary-connect device converting mobile broadband to Ethernet for point-of-sale devices, digital signs and kiosks.



www.cradlepoint.com/ARCCBA750

CBA750 Series Integrated Broadband Adapters

Key Features and Benefits

Wireless Access and Device Connectivity

Integrated high-speed 3G/4G modem

- Verizon 4G LTE / 3G EVDO
- Verizon 3G EVDO
- Sprint or CLEAR 4G WiMAX
- Sprint 3G EVDO

1 additional USB 2.0 and 1 Express Card for wireless WAN connection options

1 Ethernet LAN port for local Ethernet-enabled devices

Performance and Reliability

Integrated modems provide high-speed 3G/4G, alternate last mile connection

WiPipe Technology Modem Health Management ensures the wireless connection will be there when you need it

Power Over Ethernet and external high-gain antennas ensure optimal throughput in areas of poor reception

Data usage management and alerts to monitor data usage and avoid overages

Ease of Use

Plug in and go with most CPE routers that support WAN Failover, no software to load

IP Pass-Through enables all routing functions to be maintained

Power-Over-Ethernet Enable flexible location for convenience and best reception using existing CAT-5 cabling

Security

Supports pass-through VPN connections (IPSec, L2TP, PPTP)

SPI Firewall and NAT (Network Address Translation) to prevent unwanted access to connected computers

Variety of security features (URL filtering, traffic filtering, DMZ, virtual server, port forwarding) for safer Internet access.

Enterprise Class Service and Support

Limited 1 Year Warranty included, access to software updates and hardware repair or replacement

CradleCare Plus and CradleCare Premier enterprise support agreements available with 24/7 technical support, software updates and upgrades and advanced hardware exchange

Specifications

DATA IN:

1 3G/4G Business-grade modem (see modem specifications)
1 additional USB

DATA OUT: One 10/100 Ethernet Port (LAN)

TEMPERATURE:

0°C to 40°C (32°F to 104°F) Operating
-20°C to 70°C (-4°F to 158°F) Storage

RELATIVE HUMIDITY (non-condensing): 10% to 85%, Operating
5% to 90%, Storage

SIZE: 9-in x (5.1 or 7.25 or 9.6)-in x 1.6-in (230mm x (130 or 185 or 245)mm x 40mm)

CERTIFICATIONS: FCC, PTCRB, 802.3, plus carrier specific certifications

POWER: PoE Class 3 (Compatible with 802.3af of Class 3 powered devices) or 12V DC 1.5A

What's In The Box (Integrated Versions)

CBA750 with integrated business-grade modem

External mobile broadband modem antennas (2) (SMA) w/ multiplexing for GPS (on some models)

CAT5 Ethernet Cable

12V / 1.5A power supply

Quick Start Guide with Warranty Information

Requirements

Internet Service: Active Mobile Broadband plan with cellular provider

Browser (to configure router) Minimum of Firefox v2.0, Internet Explorer v7.0, Chrome, or Safari v1.0

Router Details

WAN Security NAT, SPI, ALG, inbound filtering of IP Addresses (future), Port Blocking, Service Filtering (FTP, SMTP, HTTP, RPL, SNMP, DNS, ICMP, NNTP, POP3, SSH), Protocol filtering, WAN ping (allow/ignore)

Failover and Redundancy Failover with 4G/3G secondary modem attached, WAN Failure Detection via ping

Intelligent Routing UPnP, DMZ, Virtual Server/Port Forwarding, Routing Rules, Route Management, Content Filtering, Website Filtering, Local DHCP server, DHCP Client, DNS, DNS Proxy, ALGs: PPTP, L2TP, PPPoE pass-through, IPSec pass-through, FTP (passive), FTP (active), MAC Address Filtering, Dynamic DNS

Management Remote WAN Web-based Management Access (HTTP, HTTPS), Web-based GUI (Easy Management), One-button firmware upgrade, USB firmware upgrade, Modem Configuration and Management, Server-based centralized Management (WiPipe™ Central), Modem configuration and management, SNMP V1

Performance & Health Monitoring WiPipe™ QoS, with Traffic Shaping

VPN Pass-through support (IPSec, L2TP, PPTP)

BUSINESS-GRADE MODEM SPECIFICATIONS:

CBA750LE-VZ 4G LTE/EVDO for Verizon

Technology: LTE 3GPP Rel. 8 , EVDO RevA, A/O; CDMA 1x

Downlink Rates: LTE 100 Mbps, EVDO 3.1 Mbps (theoretical)

Uplink Rates: LTE 50 Mbps, EVDO 1.8 Mbps (theoretical)

Frequency Band: LTE Band 13 (700MHz)

Cellular/PCS (800MHz/1,900 MHz)

Power: LTE 23 +/- 1 dBm, EVDO 24 +/- 1dBm (typical conducted)

Module: Sierra Wireless MC7750

Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain

GPS: standalone GPS support

Industry Standards & Certs: Modem Model MC200LE: Verizon; FCC Part 15, 22, 24 & 27; TIA/EIA/IS-2000, IS-95-B, 3GPP Rel 8

CBA750W 4G WiMAX for Sprint or CLEAR

Technology: WiMAX 802.16e Wave 2

Downlink Rates: 10 Mbps peak, 6Mbps average

Uplink Rates: 5 Mbps peak, 1.2 Mbps average

Frequency Band: 2,500 MHz band

Power: 23.5 +/- 0.5 dBm (RSU/CPE)

Module: Beceem 250 chipset

Antennas: Two SMA male (plug), 5 dBi gain

GPS: no GPS support

Industry Standards & Certs: Modem Model MC100W: Sprint; FCC Part 15 subpart C

CBA750E-VZ 3G EVDO for Verizon

Technology: EVDO RevA, A/O; CDMA 1x

Downlink Rates: 3.1 Mbps (theoretical)

Uplink Rates: 1.8 Mbps (theoretical)

Frequency Band: Cellular/PCS (800MHz/1,900 MHz)

Power: 24 +/- 0.5dBm (typical conducted)

Module: Sierra Wireless 5728v

Antennas: Two SMA male (plug), 2 dBi gain

GPS: standalone GPS support

Industry Standards & Certs: Modem Model MC100E: Verizon IOT; FCC Part 15, 22 & 24, CDG Stages 1,2; IS-2000IA-98D/E, IS-134, IS-637B, IS-683A, IS-707A, IS-856, IS-866; JESD22-A114-B, JESD22-C101

CBA750E-SP 3G EVDO for Sprint

Technology: EVDO RevA, A/O; CDMA 1x

Downlink Rates: 3.1 Mbps (theoretical)

Uplink Rates: 1.8 Mbps (theoretical)

Frequency Band: Cellular/PCS (800MHz/1,900 MHz)

Power: 24 +/- 0.5dBm (typical conducted)

Module: Sierra Wireless 5728v

Antennas: Two SMA male (plug), 2 dBi gain

GPS: standalone GPS support

Industry Standards & Certs: Modem Model MC100E: Sprint; FCC Part 15, 22 & 24, CDG Stages 1,2; IS-2000IA-98D/E, IS-134, IS-637B, IS-683A, IS-707A, IS-856, IS-866; JESD22-A114-B, JESD22-C101

Ordering information

CBA750 Integrated Mobile Broadband Series Adapters	
ARC CBA750LE-VZ	Mobile Broadband adapter with dual-mode, high-performance 4G LTE / EVDO Wireless WAN connection for the Verizon Network
ARC CBA750W-SP	Mobile Broadband adapter with high-performance WiMax Wireless WAN connection for the Sprint Network
ARC CBA750E-VZ	Mobile Broadband adapter with high-performance EVDO Wireless WAN connection for the Verizon Network
ARC CBA750E-SP	Mobile Broadband adapter with high-performance EVDO Wireless WAN connection for the Sprint Network

Accessories (see CradlePoint's antenna ordering and installation guide for more information)	
Part # 170587-000	Directional Patch antennas for external (outside) mounting (301157)
Part # 170588-000	Directional Yagi (Log-Periodic) antennas for external (outside) mounting (304411)
Part # 170586-000	Omni-directional antennas for external (outside) mounting (301202)

Remote Management	
WiPipe™ Central Remote Management Software	<ul style="list-style-type: none">• Cloud-based remote management and monitoring tool that provides device status, manages firmware versions, and can configure all the settings on either individual or groups of devices in real-time.• Annual and multi-year license

Enterprise Support Agreements	
CradleCare Plus Enterprise Support Agreement	<ul style="list-style-type: none">• 12/5 Technical Support, SW Upgrades, HW Repair/Replace
CradleCare Premium Enterprise Support Agreement	<ul style="list-style-type: none">• Named Enterprise Technical Support Engineer with Proactive Communications• 24/7 Tech Support, SW Upgrades, Advanced HW Exchange