

# CradlePoint CBR400/CBR450

## COMPACT BROADBAND ROUTER

Performance, security and reliability for machine-to-machine (M2M) applications



### FLEXIBLE, RELIABLE, SECURE

CradlePoint Compact Broadband Routers, CBR400 with WiFi, and CBR450 with no WiFi radio, provide advanced support for distributed operations and emerging industries that require flexible, reliable and secure Internet access such as temporary Internet installations, additional network bandwidth or for kiosks, digital signage, and other machine-to-machine (M2M) applications.

### FEATURE RICH

The CradlePoint CBR400/CBR450 is a feature-rich business router in a small package. Built for business applications like travel, mobile workgroups, or remote Internet access, you can rely on CradlePoint's advanced networking features like WiPipe security, firewall, VPN termination, VLAN support, data usage management and alerts, IP passthrough, and failover/failback (persistent connectivity in case primary data service fails) - keeping your business online. Standard on the CBR400 are additional security features for WiFi such as multiple encryption modes (WEP, WPA, WPA2 Personal and Enterprise) and preconfigured security, which prevent unauthorized use of your connection.

### EXTENSIVE MODEM SUPPORT

CradlePoint routers provide plug-and-play connections for the most popular 3G/4G modems from: AT&T, Verizon Wireless, Sprint, T-Mobile, Bell Canada, Clearwire, Rogers, US Cellular and Virgin Mobile. (modem and mobile broadband data plan sold separately).

### EXTENDING THE REACH OF MOBILE BROADBAND

3G/4G mobile broadband routers are helping power the future of business. Digital signage, kiosks, utility and sensor monitoring, in-home health care, video surveillance, remote or teleworker offices, mobile fleet vehicles, point of sale systems, and corporate branch offices need reliable connections to the Internet without a lot of associated infrastructure costs. CradlePoint routers connect your business to 3G/4G mobile broadband with simplicity and ease, giving you multiple connection options and data redundancy.

- Increase network availability with WiPipe™-powered automatic failover/failback connection reliability
- Protect access and transactions with IPsec VPN termination (tunnel, NAT-T, and transport)
- Isolate, segment and secure your network with VLAN capabilities
- Improve communication performance with wireless 2x2 MIMO "N" WiFi (802.11 b/g/n – CBR400 only)
- Create a customized hotspot with our captive portal feature (include TOS, Ads, etc. – CBR400 only)



USB / ON-OFF / ETHERNET / POWER



EXPRESS CARD / EXPRESS CARD LOCK

[cradlepoint.com/cbr400](http://cradlepoint.com/cbr400)

## COMPACT BROADBAND ROUTER: CBR400/CBR450

Provides advanced support for distributed operations and emerging industries that require flexible, reliable and secure access such as temporary Internet installations, additional network bandwidth or for kiosks, digital signage, and other machine-to-machine (M2M) applications.

### Internet Access and Device Connectivity

Plug-and-play support for over 125 of the most advanced broadband data modems (LTE, WiMAX, HSPA+)

Ethernet LAN/WAN port for Ethernet-enabled devices or landline Internet

Wireless 2x2 MIMO "N" WiFi (802.11 b/g/n) (CBR400 only)

Supports up to 16 WiFi connections at a time (CBR400 only)

Two SSIDs (with own security and QoS settings; separate critical traffic or create a public WiFi hotspot) (CBR400 only)

### Security

IPsec VPN (1 session) with GRE tunneling option, also supports pass-through VPN connections (IPSec, L2TP, PPTP)

WEP, WPA, WPA2 with AES encryption for secure WiFi (CBR400 only)

802.1Q VLAN support to isolate, segment and secure network traffic

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.

### Flexibility

Remote management with WiPipe™ Central, SNMP v1,2,3 or CLI over SSH

IP passthrough support provides broadband-to-Ethernet adapter

"WiFi-as-WAN" mode enables use as a WiFi repeater, WiFi Bridge or as a WiFi-to-Ethernet adapter for Ethernet-enabled devices (CBR400 only)

Create a WiFi hotspot with a captive portal (CBR400 only)

Network failover support and load balancing

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

LAN/WAN Affinity to assign specific LAN traffic to a WAN

### Service, Support, and Warranty

CradleCare Premier 1, 2, and 3 year Enterprise Support Agreements available with 24/7 technical support, software upgrades and advanced hardware exchange

Limited 1 year warranty included, access to software updates and hardware repair or replacement. 2 and 3 year warranty extensions available

CradleCare Site Survey and Installation services offered for rapid deployment

### CBR400/CBR450 Differences

CBR400: includes WiFi, hotspot services/captive portal, WiFi-as-WAN

CBR450: WiFi not included to help facilitate PCI and HIPAA compliance

### Specifications

**DATA IN:** USB modem (1), ExpressCard modem (1), CBR400 only: 10/100 Ethernet Port (cable/DSL/satellite modems), WiFi (as WAN) Wireless 2x2 MIMO "N" WiFi 2.4GHz (802.11 b/g/n)

**DATA OUT:** 10/100 Ethernet port (WAN/LAN Switchable for CBR400 only), CBR400 only: WiFi (802.11 b/g/n)

**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:** 2.8-in x 4.8-in x 0.8-in (72mm x 122mm x 19mm)

**WEIGHT:** 3.5 oz (100g)

**CERTIFICATIONS:** FCC, IC, CE, WiFi Alliance (CBR400 only), RoHS

### What's in the Box

CBR400 or CBR450 Compact Broadband Router

12V / 1.5A wall power supply

Setup guide with warranty information

### Requirements

**Internet Service and Modem** USB or ExpressCard modem with active mobile broadband plan with cellular provider or Ethernet-based Internet connection (DSL, cable, satellite, T1)

**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, port blocking, service filtering (FTP, SMTP, HTTP, RPL, SNMP, DNS, ICMP, NNTP, POP3, SSH), protocol filtering, WAN ping (allow/ignore)

**Redundancy and Load Balancing** Failover/Failback with 4G/3G /Ethernet with rule selection, Advanced Load Balancing options (round robin, spillover, data usage, rate), WAN Failure Detection

**Intelligent Routing** UPnP, DMZ, virtual server/port forwarding, routing rules, NAT-less routing, wired or wireless WAN-to-LAN IP pass-through, route management, per-interface routing, content filtering, IP filtering, website filtering, local DHCP server, DHCP client, DNS, DNS proxy. ALGs: PPTP, L2TP, PPPoE pass-through, IPsec pass-through, FTP (passive), FTP (active), SIP, TFTP, IRC, MAC address filtering, Dynamic DNS, LAN/WAN affinity, VLAN support (802.1Q)

**Management** WiPipe™ Central for remote configuration, updates, management and alerts (subscription-based); web-based GUI (local management); remote WAN web-based management w/access control (HTTP, HTTPS); SNMP v1, v2c & v3, CLI over SSH, SSH to serial, SSH to telnet, API. One-button firmware upgrade; modem configuration, update and management, modem data usage and alerts

**Performance & Health Monitoring** WiPipe™ advanced QoS with traffic shaping, Modem Health Management (MHM) improves connectivity of modem, SSID-based priority, WAN port speed control, several levels of basic and advanced logging for troubleshooting

**VPN** (IPSec). Tunnel, NAT-T and transport modes. Certificate support. Device to CradlePoint, Cisco/Linksys, CheckPoint, Watchguard, Juniper, SonicWall, Adtran and others. Hash (MD5, SHA128, SHA256, SHA384, SHA512), Cipher (AES, 3DES, DES), support for 1 connection, GRE tunneling, multiple networks supported in a single tunnel