



# Mobile Network Solutions

Cradlepoint Elastic Edge makes mobile networks more flexible, reliable & affordable



SD-WAN | WiFi | Telematics

# All-Inclusive Mobile Network Solutions

Cradlepoint Elastic Edge™ provides a modern approach to mobile networking for organizations that depend on field forces and constant mobile connectivity, but must manage it all with limited IT resources. Each all-in-one mobile routing solution offers Gigabit-Class LTE, WiFi connectivity, and the extensibility to run in-vehicle services such as location and telematics applications that fleet managers need, the networking capabilities required by IT managers, and the reliability business depends on.

*Cradlepoint is the first to provide all-in-one mobile solutions with Gigabit-Class LTE as the next step on the Pathway to 5G.*

## Capabilities:

## Benefits:

Rugged, all-in-one design	→	Purpose-built solutions that eliminates the need for separate AVL hardware
Cloud management	→	Manage in-vehicle networks without adding IT staff
Elastic Wideband Technology	→	For exceptional cellular connectivity
Gigabit-Class LTE	→	For 2-6x performance improvement
Dual LTE modems	→	Always-on connectivity with Auto-Carrier Selection
WiFi-as-WAN	→	Automatically offload video & other bulk data traffic using WiFi
Mobile SD-WAN	→	Use multiple cellular or WiFi connections to ensure optimal app performance & uptime
Unified edge security	→	Provide secure Internet access while protecting on-board users and devices
Advanced IoT support	→	Securely connect in-vehicle IoT devices
Public Safety	→	Certified on public safety networks worldwide
GPS & telematics support	→	Provide location & telemetry data for critical fleet management applications

## Use Cases:



First Responders



Public & Private Transit



Fleets



Mobile Command Centers

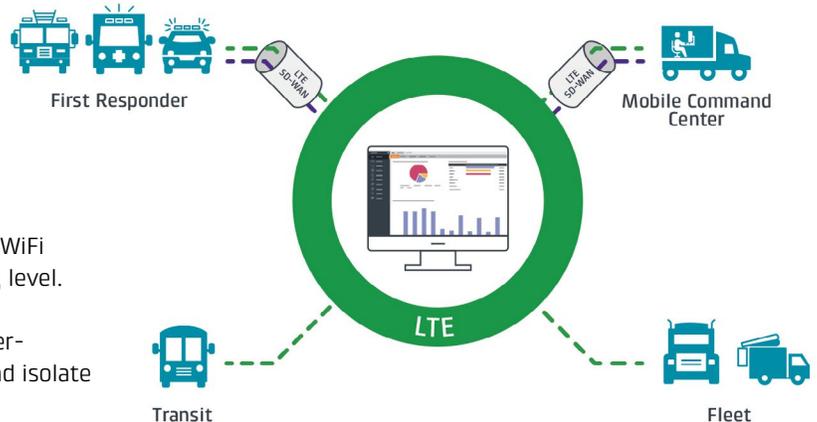
## Built & Delivered on NetCloud



Cradlepoint NetCloud is a service-based platform that spans from cloud to mobile edge to make deploying, managing, and evolving an in-vehicle network easier and less resource-intensive than ever before.

**NetCloud Manager:** Centrally configure, monitor, visualize, control, and troubleshoot your network – WAN to LAN and link to app – from a web console. Easily configure routing, security, LTE, SD-WAN and WiFi functionality at the network, rather than appliance, level.

**NetCloud Perimeter:** Create encrypted and perimeter-secured private overlays that protect IoT devices and isolate them from other networks.



# Easy to Own with NetCloud Solution Packages

Cradlepoint NetCloud Solution Packages make it easy to buy, deploy, support, and evolve your mobile network by delivering the essential NetCloud features, hardware endpoints, and support you need as a cloud service with flexible 1-, 3-, or 5-year terms.

## NetCloud Essentials

- + **Cloud Management:** Centrally manage your entire branch network.
- + **Orchestration:** Click to build a VPN over wireless broadband.
- + **Edge Router:** Full-featured router with integrated LTE and WiFi.
- + **SD-WAN:** Ensure application performance and availability while controlling LTE utilization.
- + **Unified Edge Security:** Firewall, and intrusion and web security for Direct Internet Access (DIA).

## Purpose-Built Endpoints



### Mobile Routers:

COR IBR1700, COR IBR900 Series



### Extensibility:

COR Extensibility Dock (for IBR900)

## Comprehensive 24x7 Support

The right support when you need it, with an ongoing commitment to your success.

- + **Phone:** 24-hour weekdays and emergency-only weekends
- + **Web:** 24x7 customer community for online case management, chat, and Knowledge Base and forum search
- + Limited lifetime warranty for hardware

# All-in-One Design for Vehicles & Fleets

## Converged Design With Extended LTE Coverage Options Means Solutions for Every Type of In-Vehicle Deployment



### COR IBR1700:

With an available Gigabit-Class LTE modem, higher processing power, and broader extensibility options, the IBR1700 ruggedized router is designed for the most demanding in-vehicle requirements.



### COR IBR900 Series:

Compact, ruggedized Gigabit-Class LTE router for in-vehicle connectivity and networking. Multiple LTE versions are available for diverse needs and budgets.

FEATURE SET	IBR1700	IBR900 SERIES
LTE Advanced Pro	Yes, 1.2 Gbps*	Yes, 1 Gbps*
Ports (WAN / LAN switchable)	5 ports – GigE	2 ports – GigE, plus 2 10/100 with Extensibility Dock
WiFi	Simultaneous Tri Band 802.11 a/b/g/n/ac Wave 2 MU-MIMO	Dual-band, dual-concurrent 802.11 a/b/g/n/ac Wave 2 MU-MIMO
GPS	Active GPS / GNSS & dead reckoning	Active GPS with TAIP, NMEA
OBD-II Support	Yes, with accessory cable	Yes, with accessory cable
Serial Port	Yes	Yes, with accessory cable
Pathway to 5G	4x4 MIMO, 256 Quam & carrier aggregation	2x2 MIMO, 256 Quam & carrier aggregation

\*Theoretical maximum modem speed with available Gigabit-Class LTE modem.

# Security & Application Services

Customers can extend their NetCloud Essentials Solution Packages with a simple upgrade that provides advanced networking features, including:

- + Application-aware firewall
- + Application-based traffic analytics
- + Application-aware QoS
- + Web content filtering
- + Threat Management



## CLOUD-MANAGED EXTENSIBILITY

**NetCloud Manager API:** Extend the value of your Cradlepoint mobile network by integrating NetCloud Manager collected data with third-party management, security, and business applications.

**NetCloud SDK:** Build, deploy, and run a variety of network and IoT edge computing apps on Cradlepoint's Linux-based multi-core routers.

# Expand 4G LTE Coverage



## MC400 Integrated LTE Modem

The MC400 combines enterprise reliability with unparalleled agility for networking at the edge. Cradlepoint MC400-capable branch, mobile, and IoT routers can be easily upgraded to include industry-leading capabilities such as dual modems and LTE Advanced Pro.



## COR Extensibility Dock:

The Extensibility Dock for the COR IBR900 Series extends connectivity and functionality with a second, modular LTE modem slot; two Ethernet ports; programmable, general-purpose input/output ports; and redundant power supply.



## Antennas:

Externally mount Cradlepoint-certified antennas to maximize the performance and reliability of your mobile networks. Options ranging from permanent roof-mounted antennas to temporary models are available to address signal challenges in any scenario, regardless of the cellular carrier.

# Enhance Network Security

Cradlepoint's Innovation Partners program provides seamless integrations with the following industry-leading intrusion, Internet security, and event management solutions:



**CP Secure Threat Management (IPS/IDS)**  
POWERED BY TREND MICRO



**Zscaler Internet Security**



**Cisco OpenDNS**



**SIEM Platforms**