NetCloud Services

MOBILE

Mobile Network Services

Offering superior connectivity with enterprise-class security and cloud management that users can trust.

cradlepoint

SD-WAN | WiFi | Telematics

Comprehensive Mobile Network Services

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-inclusive mobile routing service 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 comprehensive mobile services 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	→ Efficient use of IT staff
Elastic Wideband Technology	→ Exceptional cellular connectivity
Gigabit-Class LTE	→ 2-6x performance improvement
Dual LTE modems	→ Always-on connectivity with Auto-Carrier Selection
WiFi-as-WAN	→ Automatic offloading of video & other bulk data traffic using WiFi
Mobile SD-WAN	→ Multiple cellular or WiFi connections to ensure optimal app performance & uptime
Unified edge security	→ Secure Internet access & protection of users & devices
Advanced IoT support	→ Secure connections for in-vehicle IoT devices
Public Safety	→ Certified on public safety networks worldwide
GPS & telematics support	→ 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.

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.

The NetCloud service ensures that LTE connections originate in the best possible way, persist throughout the duration of the connection and perform with the most efficient use of LTE bandwidth.

First Responder

Mobile Command Center

Transit

Fleet

4G LTE
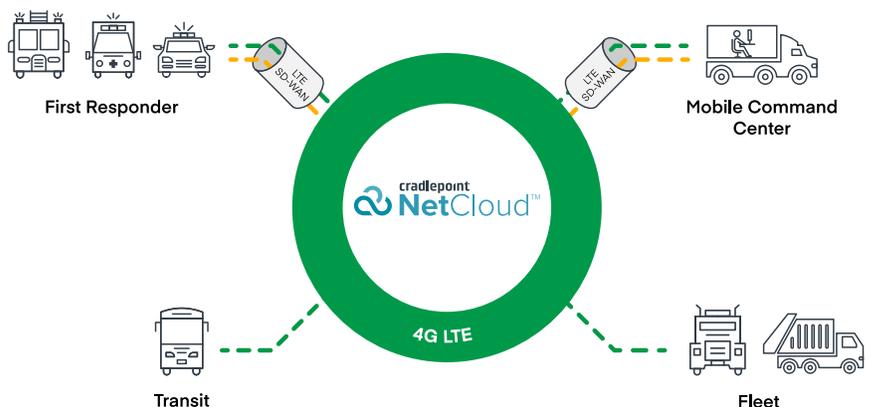
Easy to Own with NetCloud Packages

Cradlepoint NetCloud Packages make it easy to buy, deploy, support, and evolve your mobile network by delivering the essential NetCloud features, networking devices, 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 & WiFi.

— **SD-WAN:** Ensure application performance & availability while controlling LTE utilization.

— **Unified Edge Security:** Firewall, intrusion & web security for Direct Internet Access (DIA).

Purpose-Built Networking Devices

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 & emergency-only weekends

— **Web:** 24x7 customer community for online case management, chat & Knowledge Base & 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.

Extend NetCloud Functionality

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

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

Cloud-Managed Extensibility

NetCloud API: Extend the value of your Cradlepoint mobile network by integrating NetCloud 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

Contact Cradlepoint to learn more: +1.855.813.3385 | cradlepoint.com