

Cradlepoint COR IBR900 Series

Performance LTE Router for In-Vehicle & M2M / IoT

The Cradlepoint COR IBR900 Series is a ruggedized 4G LTE networking platform designed to provide connectivity across a broad range of M2M and IoT applications with many additional features to enhance in-vehicle use. This cloud-managed routing platform supports Cradlepoint NetCloud Engine and the Extensibility Platform to meet a wide range of customer needs and applications.

With an embedded Category 6 modem for LTE Advanced, wired Ethernet and a quad-core processor, the IBR900 Series delivers high performance for the most demanding M2M and mobile applications. With Cradlepoint Firmware and remote management via Enterprise Cloud Manager, the IBR900 Series delivers enterprise-grade networking functionality in a compact, ruggedized router.

With NetCloud Engine the IBR900 Series enables secure cloud networking that leverages Software-Defined Networking (SDN) and Network Function Virtualization (NFV) technologies.



Applications:



Transportation



Parallel Networking



Digital Signage



Kiosks

IN-VEHICLE, M2M & IoT NETWORKING & MORE

- + For business-critical applications: parallel networks, kiosks, video digital signs, & more
- + Supports SIM-based Auto-Carrier Selection
- + High network availability with automatic failover & fallback
- + Ruggedized for vibration, shock, dust, splash & humidity
- + Wave 2 dual-band, dual concurrent Gigabit WiFi for passenger & device connectivity*
- + Ignition sensing & built-in transient & reverse polarity voltage protection
- + Active GPS for easy integration into AVL systems (Automatic Vehicle Location)

NETCLOUD PLATFORM

- + Cloud-managed for ease of deployment, remote management, & reporting
- + Supports NetCloud Engine for easy integration into cloud-based networks

EXTENSIBILITY

- + COR Extensibility dock for increased availability & bandwidth
- + Supports FirstNet (Band 14) modem (MC400L2) for first responders
- + Supports Router SDK for customized scripts running on the router
- + Supports Router API to utilize router data in 3rd party applications & network management tools

*IBR900 only

BENEFITS

INCREASE NETWORK AVAILABILITY

- + Multi-carrier 4G LTE Advanced support with dual SIM capability
- + Supports Ethernet (T1, DSL, Cable, MetroE), WiFi as WAN, and Metro WiFi
- + Dual-modem capability for failover or load balancing
- + Ruggedized to ensure always-on connectivity
- + Monitor uptime with real-time alerts

DEPLOY & SCALE QUICKLY

- + Increase speed to deployment with "zero-touch" configuration
- + Configure, manage, troubleshoot remotely with Enterprise Cloud Manager
- + Create cloud-based networks in minutes with NetCloud Engine

SECURE & PROTECT

- + Advanced security, VPN, and stateful firewall to protect sensitive data
- + Designed for PCI compliant network architectures
- + Cloud-managed security and content filtering (CIPA compliant)

EXTEND & CUSTOMIZE

- + Extensibility Dock: add a second modem, FirstNet modem, or custom sensor or radio module
- + Router SDK: Support unique applications with custom scripts running on the router
- + ECM API: Utilize router data while maintaining single-pane-of-glass network management

Quick Specs

Supports LTE Advanced	Yes
Cloud Management	Yes, with Enterprise Cloud Manager (ECM)
SIM-Based Auto-Carrier Selection	Yes
Ports (LAN / WAN)	2 / 2 (GigE), +2 with Extensibility Dock (10/100)
Enterprise Grade Modems	Certified Embedded 4G / LTE
Wireless Broadband Technology	LTE / HSPA+
WiFi	Dual-band, dual concurrent Gigabit WiFi (802.11 a/b/g/n/ac)* Wave 2
GPS	Active GPS with TAIP, NMEA. AVL integration with ECM.
SIM Slots	2
Housing	Ruggedized
Operating Temperature	-22°F to +158°F (-30°C to 70°C)
Dock Option	Enables dual modems with COR Extensibility Dock
Redundant Power Capable	With Extensibility Dock only
GPIOs	2 + 4 with 9 Wire GPIO Cable
Ignition Sensing / Sleep Mode	Yes
Supports FirstNet (Band 14)	With Extensibility Dock

*Non-WiFi version available

PROTECT YOUR INVESTMENT WITH CRADLE CARE

Keep deployments running with less time and effort. CradleCare Support gives IT professionals access to our networking experts who will expedite issue resolution and provide flexible device-by-device solutions to help maximize operational efficiency. When your applications are mission-critical, you need the assurance that only CradleCare Support can provide.

For more information, visit cradlepoint.com/cradlecare.

FOR MORE INFORMATION, VISIT CRADLEPOINT.COM/IBR900 OR CONTACT SALES TO REQUEST A FIELD TEST.