cradlepoint

Cradlepoint COR IBR900 Series

Performance LTE Router for In-Vehicle & M2M / IoT

The Cradlepoint COR IBR900 Series is a ruggedized 3G/4G/LTE networking platform designed to provide connectivity across a broad set of M2M and IoT applications with many additional features to specifically 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 - 300 Mbps modem for LTE Advanced (or Category 3 - 100Mbs modem when EVDO fallback is required), 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 NetCloud Manager, the IBR900 Series delivers enterprise-grade networking functionality in a compact, ruggedized router.

The COR IBR900 Series supports Cradlepoint Platform Extensibility, and with NetCloud management and security services it enables secure cloud networking that leverages Software-Defined Networking (SDN) and network function automation and orchestration.

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 & failback

+ 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

+ NetCloud Manager (NCM) 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

*-LP6 versions only, **IBR900 only*

BENEFITS

INCREASE NETWORK AVAILABILITY

+ Multi-carrier 4G LTE 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 NetCloud Manager

+ Create a virtual cloud network 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)

+ FIPS 140-2 Inside versions available

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

+ NCM API: Utilize router data while maintaining single-pane-of-glass network management

Quick Specs

Supports LTE Advanced**	Yes
Cloud Management	Yes
SD-WAN & Virtual Cloud Networking	Yes
SIM-Based Auto-Carrier Selection**	Yes
Ports (LAN / WAN)	2 / 2 (GigE), +2 with Extensibility Dock (10/100)
Enterprise Grade Modems	Certified Embedded 3G or 4G LTE
Wireless Broadband Technology	LTE / HSPA+ or EVDO / 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 NCM.
SIM Slots	2
Housing	Ruggedized
Router Operating Temperature with in-vehicle GPIO power	–22°F to +158°F (–30°C to 70°C)***
Supports COR Extensibility Dock	Enables dual modems & redundant power capable
GPIOs	2 + 4 with 9 Wire GPIO Cable
Ignition Sensing / Sleep Mode	Yes
Supports FirstNet (Band 14)	With Extensibility Dock
FIPS 140-2 Inside	With FIPS 140-2 Inside SKUs

PROTECT YOUR INVESTMENT WITH CRADLECARE

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.

*Non-WiFi versions available | **LP6 versions only; LPE versions support software defined radio. ***Extended temp wall adapter required to support full range.*