

Cradlepoint COR IBR1100 Series

Highly Available, Cloud-Managed Networking for Vehicles

The Cradlepoint COR IBR1100 Series is a compact, ruggedized 3G/4G/LTE networking platform designed for mission-critical connectivity in the most challenging environments. Ideal for in-vehicle networks including police cars, ambulances, and mass transit, this cloud-managed solution provides organizations the ability to scale deployments quickly and manage their vehicle networks easily in real-time.

With an extensive list of safety and hardening certifications, the COR IBR1100 is engineered to protect against extreme temperatures, humidity, shocks, vibrations, dust, water splash, reverse polarity, and transient voltage.

The COR IBR1100 Series supports Cradlepoint NetCloud Engine, and can be added to secure, cloud-based networks in minutes. It also supports Cradlepoint Extensibility Platform elements and can be customized to support the unique requirements of customer-specific applications.



Applications:



EMS, First Responders, Fleets



Digital Signage



Utility



Mining & Gas

IN-VEHICLE NETWORKING & MORE

- + For a broad range of in-vehicle networks & extreme M2M applications
- + Supports LTE Advanced with SIM-based auto-carrier selection (LP6, LP4 modems only)
- + Dual-band, dual concurrent WiFi for passenger and device connectivity*
- + Fully ruggedized for vibration, shock, dust, splash & humidity
- + 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

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

*IBR1100 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
- + Fully ruggedized to ensure always-on connectivity, even in extreme M2M applications
- + Monitor uptime with real-time alerts

ENHANCE THE CONNECTED EXPERIENCE

- + Improve the ridership experience with high-speed, highly available connectivity
- + Offer secure, guest WiFi to passengers
- + Enable connected devices like digital signage, drivers' tablets, payment systems, and EMS response systems

DEPLOY & SCALE QUICKLY

- + Increase speed to deployment with "zero-touch" configuration
- + Simplify installation with built-in voltage protection and ignition sensing
- + Flexible GPS reporting for easy integration with Automatic Vehicle Location (AVL) systems

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)

Quick Specs

Supports LTE Advanced	Yes
Cloud Management	Yes, with Enterprise Cloud Manager (ECM)
SIM-Based Auto-Carrier Selection	Yes
Ports (LAN / WAN)	3 / 3
Enterprise Grade Modems	Certified Embedded 3G / 4G / LTE
Wireless Broadband Technology	LTE / HSPA+ / EVDO, LTE / HSPA+
WiFi	Dual-band, dual concurrent WiFi (802.11 a/b/g/n/ac)*
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	Dual-Modem Dock
Redundant Power Capabale	No
GPIOs	2 + 3 with Serial to GPIO Cable
Ignition Sensing / Sleep Mode	Yes

*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.