cradlepoint

COR IBR900 Series

Solution: NetCloud Service for Mobile ▪ **Application:** Police, First Responders (Fire/Ambulance, Taxi, Service Van

The Cradlepoint COR IBR900 Series router is a ruggedized Gigabit-Class LTE networking platform that provides the next step on the Pathway to 5G. It is designed for persistent connectivity across a wide range of in-vehicle and mobile applications, including first responders, service and delivery vans, taxi and limo fleets, and near-shore vessels.

With the available Gigabit-Class LTE modem, optional second modem, Wave 2 dual-band, and dual-concurrent Gigabit WiFi, the IBR900 Series routers provide reliable 24x7 connectivity for employees and devices, both inside and outside the vehicle.

Mobile networks require strong security for various implementations including on-board public WiFi and cloud application access. Offering multi-zone firewalls, IDS/IPS, Internet security, and FIPS 140-2 certification, Cradlepoint mitigates security risks for mobile networks and users.

Cradlepoint COR IBR900 Series is sold with the NetCloud Essentials Plan, an all-inclusive networking service package comprised of services, hardware, and support.

The NetCloud Service for Mobile includes:

— NetCloud management & control service with branch-specific capabilities

— 24x7 support & limited lifetime warranty

— Customer choice of purpose-built hardware

— Option to purchase add-on plans for Advanced functionality

Key Features

Hardware Features

— High network availability with second modem in optional Extensibility Dock

— Supports SIM-based Auto-Carrier Selection

— Ruggedized for vibration, shock, dust, splash & humidity

— Wave 2 dual-band, dual-concurrent Gigabit WiFi for multiple device connectivity

— Active GPS & easy integration into Automatic Vehicle Location systems

— GPIO ports for IoT & vehicle integrations

— Ignition sensing & built-in transient & reverse polarity voltage protection

— Includes NetCloud Perimeter for reliable IoT overlay security

— Mobile SD-WAN

Extensibility Features

— SDK for customized applications

— Supports NetCloud API to utilize router data in third-party applications & network management tools

Benefits

Increase Network Availability

— Multi-carrier LTE support with dual-SIM capability

— WiFi-as-WAN for tasks like video offload

— Dual-modem capability for failover or load balancing

— Ruggedized to ensure always-on connectivity

— Real-time alerts to monitor vital network signs

Deploy & Scale Quickly

— Increase speed to deployment with "zero-touch" configuration

— Configure, manage & troubleshoot remotely with NetCloud Manager

Secure & Protect

— Unified edge security offering multi-zone firewalls, IDS/IPS & Internet security

— PCI-compliant network component

— FIPS 140-2 Inside versions available

— Certified on public safety networks worldwide

Extend & Customize

— COR Extensibility Dock: Add a second modem for highest availability

— Router SDK: Support unique applications with custom scripts running on the router

— NetCloud API: Utilize router data while maintaining single-pane-of-glass network management

Quick Specs

Enterprise-Grade LTE Modem	Supports up to 1 Gbps download & 150 Mbps upload*
SIM-Based Auto-Carrier Selection	Yes
Ports (LAN / WAN)	2 / 2 (GigE), +2 with Extensibility Dock (10 / 100)
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 NetCloud
SIM Slots	2 (4 with Extensibility Dock)
Housing	Ruggedized IP54
Operating Temperature	–22°F to +158°F (–30°C to 70°C)
Supports Dual Modems	With Extensibility Dock
GPIOs	2 + 4 with 9-Wire GPIO Cable
Ignition Sensing / Sleep Mode	Yes
FIPS 140-2	With FIPS 140-2 Inside SKUs

The IBR900 Series can be packaged with the following plans:

Solution Package	Part Numbers
North America (U.S. & Canada) NetCloud Essentials for Mobile Routers NetCloud Essentials for Mobile Routers	MAx-09001200-NNA MAx-0900600M-NNA
Europe (EU) NetCloud Essentials for Mobile Routers	MAx-0900600M-EWA
Asia-Pacific (AP) NetCloud Essentials for Mobile Routers	MAx-0900600M-PWA
All Regions NetCloud Advanced for Mobile Routers	MAx-NCADV

Theoretical maximum speed
x = 1, 3, or 5 years

Comprehensive 24x7 Support & Limited Lifetime Warranty

Cradlepoint's all-inclusive NetCloud Service Plan includes limited lifetime hardware warranty and global 24x7 enterprise-class support (phone support: 24-hour weekdays with emergency response on weekends; web: 24x7, chat: 24x5). With comprehensive support and warranty, Cradlepoint solutions are designed to keep networks secure, problem-free, and operationally efficient. Learn more at cradlepoint.com/support-services

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