



COR IBR1700

Ruggedized LTE Router for Vehicles

The Cradlepoint COR IBR1700 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 commercial and public sector in-vehicle and mobile applications, including first responders, mobile command centers, mass transit and school buses, commercial truck fleets, and near-shore vessels.

With the available Gigabit-Class LTE modem, optional second modem, 802.11ac Wave 2 dual-band, and dual-concurrent Gigabit WiFi, the IBR1700 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 IBR1700 mobile routers are sold in comprehensive NetCloud Solution Packages that include cloud management, 24x7 support, and limited lifetime warranty.

NetCloud Solution Packages include:

- + Award-winning remote cloud management & network intelligence with NetCloud Manager
- + Customer choice of purpose-built hardware
- + 24x7 support & limited lifetime warranty



Applications:

- Mass Transit
- School Buses
- First Responder Command Center
- Fleet Trucking

KEY IN-VEHICLE NETWORKING FEATURES

- + High network availability with optional second modem
- + Supports SIM-based Auto-Carrier Selection worldwide
- + Ruggedized for vibration, shock, dust, splash & humidity
- + Wave 2 dual-band, dual-concurrent Gigabit WiFi for multiple device connectivity
- + OBD-II port connectivity with optional cable
- + Dead reckoning with Dedicated GPS + 3-axis Accelerometer + OBD-II

- + Ignition sensing & built-in transient & reverse polarity voltage protection
- + GPIO ports for IoT & vehicle integrations
- + Mobile SD-WAN

EXTENSIBILITY FEATURES

- + Second modem slot for increased availability & bandwidth
- + Supports NetCloud OS SDK for Edge Computing
- + Supports NetCloud Manager API to utilize router data in third-party applications & network management tools

Benefits

INCREASE NETWORK AVAILABILITY

- + Multi-carrier 4G LTE support with dual-SIM capability
- + Supports Ethernet & WiFi-as-WAN
- + Dual-modem capable for failover & 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, monitor & troubleshoot remotely with NetCloud Manager

SECURE & PROTECT

- + Advanced security, VPN & stateful firewall to protect sensitive data
- + PCI-compliant network element
- + Cloud-managed security & content filtering (CIPA compliant)
- + FIPS 140-2 Inside versions available
- + Certified on public safety networks worldwide

EXTEND & CUSTOMIZE

- + Built-in second modem slot: Add a second carrier for highest availability
- + NetCloud SDK: Support unique applications with custom scripts running on the router
- + NetCloud Manager API: Utilize router data while maintaining single-pane-of-glass network management

QUICK SPECS	
LTE Advanced Pro	Supports up to 1.2 Gbps download & 150 Mbps upload*
SIM-Based Auto-Carrier Selection	Yes†
Ports (LAN / WAN)	5 LAN/WAN switchable GigE
WiFi	Simultaneous Tri Band 802.11 a/b/g/n/ac Wave 2 MU-MIMO
GPS	Active GPS / GNSS & dead reckoning
SIM Slots	2 (4 with second modem)
Housing	Ruggedized IP64
Operating Temperature	-22°F to +158°F (-30°C to 70°C)
Dual Modem Support	With field-upgradable MC400 slot
GPIOs	7 GPIO + 2 ADC
Ignition Sensing / Sleep Mode	Yes
FIPS 140-2	With FIPS 140-2 Inside SKUs

SOLUTION PACKAGES WITH THE COR IBR1700

Solution Package	Part Numbers
North America (U.S., Canada)	
NetCloud Essentials for Mobile Routers	MAX-17001200-NNA
NetCloud Essentials for Mobile Routers	MAX-1700600M-NNA
Europe	
NetCloud Essentials for Mobile Routers (EU)	MAX-1700600M-EWA
Asia-Pacific (Australia, New Zealand, Singapore)	
NetCloud Essentials for Mobile Routers (AP)	MAX-1700600M-PWA
All Regions	
NetCloud Advanced for Mobile Routers (Enterprise)	MAX-NCADV

*Theoretical maximum speed with available Gigabit-Class LTE modem.
 †Supports all major carrier/operators in N.America, Europe, and Australia/New Zealand.
 x = 1, 3, or 5 years

Comprehensive 24x7 Support & Limited Lifetime Warranty

Cradlepoint's all-inclusive NetCloud Solution Packages include 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.

For more information, visit cradlepoint.com/ibr1700 or contact sales to request a field test.