

COR IBR1700

Solution: NetCloud Service for Mobile ■ **Application:** Mass Transit, School Buses, First Responder Command Center, Fleet Trucking

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 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
- Customer choice of purpose-built hardware
- 24x7 support & limited lifetime warranty
- Option to purchase add-on plans for Advanced functionality



Key Features

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

Benefits

Increase Network Availability

- Multi-carrier 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 API: Utilize router data while maintaining single-pane-of-glass network management

Quick Specs

Enterprise-Grade LTE Modem	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

The IBR1700 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-17001200-NNA MAx-1700600M-NNA
Europe (EU) NetCloud Essentials for Mobile Routers	MAx-1700600M-EWA
Asia-Pacific (AP) NetCloud Essentials for Mobile Routers	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*

[Learn more at cradlepoint.com/ibr1700](https://www.cradlepoint.com/ibr1700)

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](https://www.cradlepoint.com/support-services)

