cradlepoint

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

— 24x7 support & limited lifetime warranty

— Customer choice of purpose-built hardware

— 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

NetCloud Service Plans with the IBR1700:

Package	Part Numbers
North America (U.S. & Canada)	
NetCloud Mobile Essentials Package	MAx-1700120B-NNA
NetCloud Mobile Essentials Package	MAx-17001200-NNA
NetCloud Mobile Essentials Package	MAx-1700600M-NNA
Europe (EU)	
NetCloud Mobile Essentials Package	MAx-1700120B-EWA
NetCloud Mobile Essentials Package	MAx-1700600M-EWA
Asia-Pacific (AP)	
NetCloud Mobile Essentials Package	MAx-1700120B-PAA
NetCloud Mobile Essentials Package	MAx-1700600M-PWA
All Regions	
NetCloud Mobile Advanced Plan	MAx-NCADV

Theoretical maximum speed with available Gigabit-Class LTE modem, 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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