cradlepoint

IBR1700 Series Ruggedized Router

Ruggedized Gigabit-Class LTE router for the most demanding in-vehicle networking applications

Firewall Throughput: 940 Mbps

WAN Connectivity: 4G Cat 11 or Cat 18, GbE

LAN Connectivity: Wi-Fi 5, GbE

Management: NetCloud

The Cradlepoint IBR1700 Series Router is a ruggedized Gigabit-Class LTE networking platform with full-featured routing, security, and Wi-Fi. It is designed for persistent connectivity across a wide range of in-vehicle solutions used by first responders such as vehicles and mobile command centers, as well as mass transit, school buses, commercial truck fleets, and near-shore vessels.

NetCloud Service is delivered in an all-in-one subscription included with the IBR1700. It is a complete cloud management platform providing specialized features for connecting, tracking, managing, and troubleshooting in-vehicle networks.

Key Features:

— World's first mobile router with Gigabit-speeds for LTE, Wi-Fi, and Ethernet delivering best-in-class enterprise grade performance

— Field-upgradable with second modem for continuous connectivity (with second wireless carrier)

— Precision GPS with dead-reckoning enables advanced location-based applications

— OBD-II support with accessory cable for vehicle health and diagnostics reporting

— Extensibility with GPIOs, NetCloud SDK and API for customizable solutions

— Unified edge security including multi-zone firewalls, IDS/IPS, and Internet security

— FIPS 140-2 Inside versions available

— Ruggedized for vibration, shock, dust, smash, and humidity

— Certified on multiple public safety networks

Hardware Specs

Category	Mobile
Cloud Management	Yes
Wireless Connectivity	Gigabit-Class LTE
5G Status	5G Ready
Form Factor	Ruggedized Metal
Ethernet Ports	5 GbE (LAN/WAN switchable)
USB Ports	1
Serial Ports	1
Dual-Modem Support	Yes
Cellular Standards	PTCRB (U.S.), GCF (Worldwide)
Network Operator Certifications	AT&T, Verizon
Regions	North America, Latin America, Europe, Africa & Middle East, Asia-Pacific
Public Safety Networks	ESN, FirstNet Ready™, Verizon Frontline
Firewall Throughput	940 Mbps
VPN Tunnel Count	10
Wi-Fi	Dual-band, tri-radio Wi-Fi; 802.11ac Wave 2 (Wi-Fi 5)
GNSS/GPS	Active
PoE	N/A
Operating Temperature	-30 °C to 70 °C (-22 °F to 158 °F)
Rack mountable	Yes

NetCloud for Mobile

NetCloud Service for Mobile provides the enterprise capabilities that organizations need to manage their in-vehicle work and includes:

— Centralized endpoint management with insights and visual analytics

— 24×7 enterprise support and limited lifetime warranty

— On-demand training with Cradlepoint University

Secure Remote Management & Orchestration	🔵
Dynamic Routing Protocols, Traffic Steering & QoS	🔵
Zone-Based Firewall & VPN	🔵
In-Band & Out-of-Band Management	🔵
Real-Time Troubleshooting Tools & Diagnostics	🔵
Insights, Alerts & Dashboard Analytics	🔵
Modem-Data-Usage Dashboard & Predictive Alerting	🔵
Location Services	🔵
Extensibility (SDK, API, third-party integrations)	🔵
Cellular Coverage Map & Location Tracking	🟡
Application-Aware Traffic Steering, QoS, Networking & Firewall	🟡
Web Filtering & Threat Management	🟡
Cellular Health, Traffic & Security Dashboards	🟡
IoT Ecosystem Integration (Microsoft, AWS)	🟡
Docker Container Support	🟡

🔵 *Included*   🟡 *Advanced*

Learn more at cradlepoint.com/ibr1700

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