

Cradlepoint IBR1700 Series

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



**Firewall Throughput:
940 Mbps**



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



**LAN Connectivity:
Wi-Fi 5, GbE**



**NetCloud Solution:
Mobile**

The purpose-built router

The Cradlepoint IBR1700 Series Mobile 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, GCF
Network Operator Certifications	Certified: AT&T, Verizon, Sprint Supported: T-Mobile, Bell, Rogers, TELUS, Vodafone, EE, Telstra
Regions	North America, Europe/Middle East/Africa, Asia-Pacific
Public Safety Networks	FirstNet Ready™, Verizon Response Verified, ESN
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 Comparison for Mobile

Cradlepoint IBR1700 Series router is part of a NetCloud Mobile package, an all-inclusive networking service comprised of support, hardware, and software services.

- Business intelligence and remote cloud management
- Purpose-built hardware
- 24x7 enterprise support and limited lifetime warranty

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	●

● Essentials ● Advanced

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

