

# 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 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

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

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

● Essentials   ● Advanced   ○ Not Supported

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

