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

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™, 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

— 24×7 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*　　◯ *Not Supported*

Learn more at cradlepoint.com/ibr1700

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