

IBR900 Series Ruggedized Router

Compact, ruggedized Gigabit-Class LTE router for advanced in-vehicle and IoT connectivity



**Firewall Throughput:
940 Mbps**



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



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



**Management:
NetCloud**

The Cradlepoint IBR900 Series Router is a ruggedized Gigabit-Class LTE networking platform that was designed for persistent connectivity across a wide range of in-vehicle and mobile applications as well as portable or fixed IoT installations. The IBR900 Series accommodates environmentally harsh environments while delivering enterprise-class standards of reliability, scalability, comprehensive management, and security.

For organizations that depend on field forces and mobile networks, the Cradlepoint IBR900 Series mobile router with the NetCloud Mobile solution package provides ruggedized and GPS-enabled in-vehicle network solutions that are SD-WAN and SD-Perimeter-capable. With an available Gigabit-Class LTE modem, Gigabit Wi-Fi, and advanced security features, the IBR900 delivers enterprise networking capabilities for mobile applications that require secure, always-on connectivity.

The IBR900 Series with NetCloud IoT Solutions Package provides a compact ruggedized 4G LTE router solution for connecting and protecting IoT devices at scale. With an extensive list of safety and hardening certifications, it can be confidently deployed in the field, in buildings, or in embedded systems to deliver complete visibility, security, and control of connected devices anywhere.

Key Benefits:

- Robust, dependable Gigabit-Class LTE network platform for first responders and commercial fleets
- Ruggedized for vibration, shock, dust, splash, and humidity
- Mobile SD-WAN for optimized multi-link LTE connectivity
- GPS for AVL integration and location tracking to provide current and historic vehicle location
- Dual-modem capability with COR Extensibility Dock for multi-link dependability
- Heatmapping for an LTE signal strength map of all areas a fleet has driven
- WiFi-as-WAN for data-intensive tasks such as video offload

Hardware Specs

| | |
|--|---|
| Category | Mobile or IoT |
| Cloud Management | Yes |
| Wireless Connectivity | LTE |
| 5G Optimized | None |
| Form Factor | Ruggedized Metal |
| Ethernet Ports | 2 GbE (LAN/WAN switchable) |
| USB Ports | 1 |
| Serial Ports | 0 |
| Dual-Modem Support | Yes with COR Extensibility Dock |
| Network Operator Standards | PTCRB (U.S.), GCF (Worldwide) |
| Network Operator Certifications | AT&T, Verizon, Telstra |
| Regions | North America, Latin America, Europe, Africa & Middle East, Asia-Pacific <i>See country and model availability</i> |
| Public Safety Networks | FirstNet Ready™, Verizon Frontline <i>See data sheet for model applicability</i> |
| Firewall Throughput | 940 Mbps |
| VPN Tunnel Count | 10 |
| Wi-Fi | Dual-band, dual-concurrent; 802.11ac Wave 2 (Wi-Fi 5) |
| GNSS/GPS | Active |
| PoE | No |
| Operating Temperature | -30 °C to 70 °C (-22 °F to 158 °F) |
| Antennas & Power Adapter Included | IoT Package only |

[Learn more at cradlepoint.com/ibr900](https://www.cradlepoint.com/ibr900)



NetCloud Features for Mobile & IoT

NetCloud Service for Mobile provides the enterprise capabilities that organizations need to manage their in-vehicle work while NetCloud Service for IoT provides the reliability, security, management, and data orchestration for IoT applications. Each service includes:

- Centralized endpoint management with insights and visual analytics
- 24x7 enterprise support and limited lifetime warranty
- On-demand training with Cradlepoint University

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

● Included ● Advanced ○ Not Supported