

# EC Cradlepoint IBR900

## Cradlepoint IBR900 IP Router

The Sub U Systems Cradlepoint IBR900 **Executive**

**Communications (IBR900 EC)** is an IP68

rated device based on Cradlepoint's

IBR900 series ruggedized router. The

SUB-U EC IBR900 is a small and low

power IP router that provides Gigabit

LTE connectivity as well as Ethernet

and Wi-Fi. The SUB-U EC IBR900 is

so small it can fit in the palm of your

hand yet is packed with capabilities

designed to provide a level of ruggedization that is ideal for use

in industrial or military applications that demand extreme temperature, shock, and vibration. It

offers a fast CAT 18 modem providing up to 1.2Gbps of maximum theoretical throughput (throughput varies by

wireless provider), with firewall throughput of 940 Mbps, and AES VPN tunneling performance of 20 Mbps. Up

to 10 Wi-Fi clients are supported, and the EC IBR900 offers Cradlepoint's NetCloud Service, which provides

streamlined configuration and continuous cloud, modem, and router software feature enhancements to support

deployments at scale. When paired with a GPS antenna the EC IBR900 can be integrated into vehicle a mobile

system where asset location with active ongoing GPS location is desired.



### Scalability with other EC devices

The SUB-U EC IBR900 is part of SUB-U's new Executive Communications product portfolio, which has been designed by SUB-U from the printed circuit board up to meet the demands of military, government, and other industries that require robust, high performance IP networking and IT functionality in the most austere of locations. SUB-U's EC products include the SUB-U EC Software Definable Networking – Appliance™ (SDN-A™), the SUB-U EC Cisco ESR6300 Router, the SUB-U EC Cisco ESS3300 Switch, and the SUB-U EC PSU/UPS. Additional EC products include RoIP technologies, video encoders/transcoders, high performance compute for AI/ML applications, and a designed from scratch chassis system.

- ◀ Size: Size: 7.6" x 5" x 1.25" (L x W x H)
- ◀ Weight: < 2 pounds
- ◀ Technology: CAT 18 LTE Advanced Pro (3GPP Rel.12)
  - ◀ \*Failback to WCDMA/UMTS/HSPA+
- ◀ Dual SIM slots
- ◀ Ethernet Ports: 2 GbE (LAN/WAN switchable)
- ◀ Network Certifications: AT&T, Verizon (global carriers supported w/CAT11 radio)
- ◀ LTE Bands Supported: B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B20, B25, B26, B28, B29, B30, B38, B40, B41 B66
- ◀ WCDMA Bands Supported: B1, B2, B4, B5, B8
- ◀ Antennas: Wi-Fi - 2 RP-SMA, Cellular - 2 SMA, Bluetooth - 1 SMA
- ◀ Environmental: IP68
- ◀ Operational Humidity: 5%-95%
- ◀ Operational Temperature: -30°C to 70°C
- ◀ Power consumption: Idle 4W, LTE Tx/Rx: 6.25W, Wi-Fi Tx/Rx: 9W
- ◀ Pairs perfectly with other SUB-U EC products
- ◀ 4G LTE & 3G, Verizon Frontline™, Band 14 FirstNet Ready™



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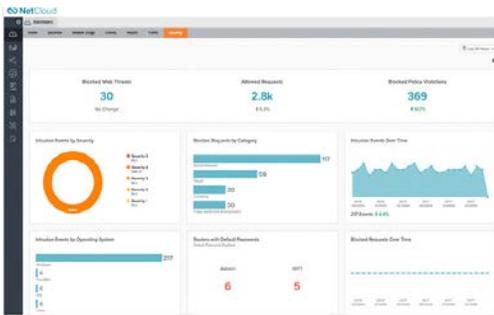
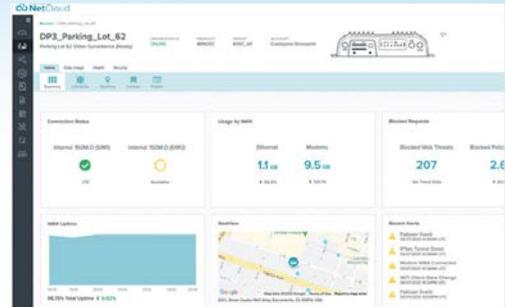
## Cradlepoint IBR900 IP Router

### Key Software Capabilities

Cradlepoint NetCloud Service for the IBR900 provides everything needed to unlock the power of LTE and connect vehicles, users, and IoT to critical applications and services. The available NetCloud IoT or Mobile service plans include the appropriate router software with powerful cloud management features for managing IoT at scale, or mobile-specific features like coverage maps, and application aware analytics. Everything within NetCloud works together, making it easy to deploy, connect, and secure edge applications at scale across the organization.

### Router Services

Next generation hardware provides local processing power to handle demanding router-delivered services, such as support for VPN tunneling encryption including DMVPN, IPsec, GRE, and other tunneling technologies.

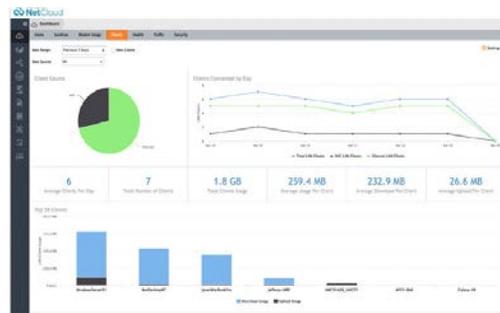
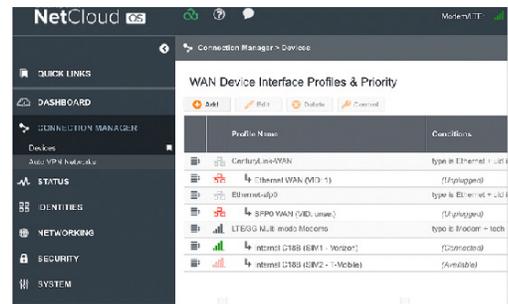


### Security Services

NetCloud Service includes security features and options to optimize the IBR900 to meet the evolving security needs of mobile and IoT environments. The service includes stateful zone-based firewall with the ability to add application aware security policies with the Advanced Mobile service plan.

### Connection Manager

Connection Manager provides the ability to manage all WAN connection types including wireless, Wi-Fi as WAN, and wired, from a single software-defined policy. Our custom-built modem software ensures users establish Wireless WAN connectivity faster while maintaining the highest level of resiliency.



### Cloud Services

NetCloud Manager delivers true zero-touch deployment with the ability to define and deliver policy across entire groups of endpoints. Users can create a cloud-orchestrated hub and spoke VPN network and gain insights and analytics required for rapid troubleshooting and diagnostic workflows. Support operations with real time location services and vehicle information.

