



# Cradlepoint COR IBR600B Series

## Integrated Broadband Routers

The Cradlepoint COR IBR600B Series is a semi-ruggedized router built for M2M, IoT and industrial networks. With an embedded Category 4 4G LTE modem with HSPA+ failback, the COR IBR600B Series is an affordable, feature-rich compact router designed for critical business and enterprise applications that require 24/7 connectivity.

With its compact size, built-in mounting bracket, external mobile broadband and WiFi antennas (IBR600B only), wide temperature spec, shock and vibration certifications, and sleep mode/ignition sensing, the Cradlepoint COR IBR600B Series is ideal for use in high-availability portable or fixed applications like kiosks/ATMs, surveillance, digital signs, and parallel networking.

Cradlepoint COR provides instant network connectivity with a built-in modem – just add a mobile broadband plan or insert an activated SIM (2FF) and go. It also supports traditional wired data networks like DSL, cable, or T1 for maximum network

flexibility. Business-continuity features like failover/failback come standard in Cradlepoint COR. When configured for failover, COR detects network failures and seamlessly switches over to a secondary WAN – keeping your network online.

The Cradlepoint COR IBR600B Series includes an embedded Category 4 LTE modem with HSPA+ failback that offers faster download speeds, dual-SIMs, and SIM-based Auto Carrier Selection for Verizon, T-Mobile and AT&T in the US. As an important element in the Cradlepoint Platform Extensibility, the COR IBR600B Series supports the COR Extensibility Dock accessory, Router SDK and ECM API.



### THE HEART OF YOUR M2M NETWORK

- + For use in 24/7 business-critical applications: kiosks, surveillance cameras, digital signage, parallel networking, and many other industrial/M2M applications
- + Faster: Category 4 modem, faster processor, and Gigabit Ethernet port
- + Embedded Category 4 modem with dual SIMs; supports Verizon, AT&T, and T-Mobile in the US
- + SIM-based Auto-carrier selection for flexibility and faster deployments
- + Cloud-managed for ease of deployment, remote management, and reporting
- + High network availability with automatic failover and failback
- + WiFi\* (IBR600B) and no-WiFi (IBR650B) options available; Wireless 2x2 MIMO “N” WiFi (802.11 b/g/n)\*
- + Certified for shock and vibration in accordance with MIL STD 810G and SAE J1455 – be confident in the device’s ability to survive challenging environments, including vehicles
- + COR Extensibility Dock: Enables additional modem, Ethernet ports, GPIOs, and redundant power
- + Support Extensibility Platform: Extensibility Dock, GPIO cable, Router SDK, ECM API

\*WiFi is only supported on IBR600B models

GO TO [CRADLEPOINT.COM/IBR600B](http://CRADLEPOINT.COM/IBR600B) TO LEARN MORE.

## FEATURES

### INTERNET ACCESS AND DEVICE CONNECTIVITY

- + Includes embedded 4G/Cat 4 LTE modem (see product spec sheet for options and specifications)
- + Two Ethernet LAN/WAN ports (one Gigabit Ethernet) for Ethernet-enabled devices or landline Internet
- + Wireless 2x2 MIMO “N” WiFi (802.11 b/g/n)\*

### SECURITY

- + IPsec VPN (up to 5 concurrent sessions) and GRE Tunneling option, also supports passthrough VPN connections (IPsec, L2TP, PPTP)
- + Layer 2 Tunneling Protocol (L2TP)\*\*
- + WEP, WPA, WPA2, WPA2 Enterprise with AES encryption for secure WiFi\*
- + SPI (stateful packet inspection) firewall and NAT (network address translation) to prevent unwanted access to connected computers
- + Zone-based firewall
- + Variety of security features (URL filtering, IP & traffic filtering, DMZ, port forwarding) for safer Internet access
- + Advanced security mode and reporting to facilitate PCI-DSS compliance

### FLEXIBILITY

- + SIM-based Auto Carrier selection
- + First-time and advanced setup wizards for easy, swift, and secure setup
- + IP passthrough support provides 4G-to-Ethernet adapter
- + Network failover support & load balancing
- + VRRP for enterprise router redundancy\*\*
- + SNMP v1/2c/3, CLI over SSH, and SMS

- + IPv6 support
- + LAN/WAN affinity or Policy Based Routing to assign specific LAN traffic to a WAN
- + Enterprise routing protocols:\*\* BGP, OSPF, RIP
- + Advanced APN management
- + Network Mobility (NEMO) support for session continuity in mobile networks\*\*

### EXTENSIBILITY

- + COR Extensibility Dock
  - + Dual-modem support w/MC400
  - + 2 extra 10/100 Ethernet ports
  - + 2x10 connector for Extra GPIOs
  - + 5V DC 50mA sensor power
  - + Redundant power supply-capable
- + USB-to-serial console available
- + +9 wire GPIO cable available with 4 GPIOs ignition sensing and redundant power

## PROTECT YOUR INVESTMENT: 24/7 SUPPORT

Keep deployments running with less time and effort. The CradleCare Support Agreement gives IT professionals access to a dedicated Cradlepoint Support Engineer, who provides consultation on network design, works with multiple parties – including wireless operators – to triage and address issues, and serves as a single point of contact with guaranteed response times.

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\*\*Requires an Extended Enterprise License