

Cradlepoint COR IBR600C Series

3G/4G LTE Router for M2M & IoT Applications

The Cradlepoint COR IBR600C Series is a semi-ruggedized routing platform built for M2M, IoT, and in-vehicle networks. With an embedded 3G/4G LTE modem with EVDO and HSPA+ fallback, the COR IBR600C 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 (IBR600C only), wide temperature spec, shock and vibration certifications, and sleep mode/ignition sensing, the Cradlepoint COR IBR600C Series is ideal for use in high-availability portable or fixed applications like surveillance cameras, digital signs, Parallel Networking and in-vehicle networks when active GPS is not required.

The COR IBR600C Series supports Cradlepoint Platform Extensibility, and with NetCloud management and security services it enables secure cloud networking that leverages Software-Defined Networking (SDN) and network function automation and orchestration.



Applications:



Cameras



Digital Signage



Parallel Networking



In-Vehicle

THE HEART OF YOUR M2M NETWORK

For use in 24/7 business-critical applications: surveillance cameras, digital signage, parallel networking, and other industrial/M2M applications.

- + For in-vehicle applications when active GPS is not required. Passive GPS is supported.
- + Embedded 100/50 Mbps 3G/4G LTE modem with Dual-SIM slots; supports Verizon & Sprint EVDO fallback
- + Supports user-initiated carrier switching with software-defined radios
- + High network availability with automatic failover & fallback between wired & wireless WAN connections
- + Wireless 2x2 MIMO "N" WiFi (802.11 b/g/n)*

*IBR600C only

NETCLOUD PLATFORM

- + Cloud-managed for ease of deployment, remote management & reporting
- + Supports NetCloud Engine for easy integration into cloud-based networks

EXTENSIBILITY

- + COR Extensibility dock for increased availability & bandwidth
- + Supports Router SDK for customized scripts running on the router
- + Supports FirstNet (Band 14) modem (MC400L2) for first responders
- + Supports Router API to utilize router data in third-party applications & network management tools

BENEFITS

INCREASE NETWORK AVAILABILITY

- + Embedded 3G/4G LTE with EVDO & HSPA+ fallback ensures connectivity anywhere
- + Supports Ethernet WAN (T1, DSL, Cable, MetroE), WiFi as WAN, and Metro WiFi
- + Dual-modem capable for failover or load balancing
- + Semi-ruggedized for high reliability
- + Monitor uptime with real-time alerts

DEPLOY & SCALE QUICKLY

- + Increase speed of deployment with “zero-touch” configuration
- + Configure, manage, and troubleshoot remotely with Enterprise Cloud Manager
- + Create a Virtual Cloud Network in minutes with NetCloud Engine

SECURE & PROTECT

- + Advanced security, VPN, and stateful firewall to protect sensitive data
- + Cloud-managed security and content filtering (CIPA compliant)
- + Secure overlay network with Software-Defined Perimeter

EXTEND & CUSTOMIZE

- + COR Extensibility Dock: add a second modem, FirstNet modem, or custom sensor or radio module
- + Router SDK: Support unique applications with custom scripts running on the router
- + ECM API: Utilize router data while maintaining single-pane-of-glass network management

*WiFi is only supported on IBR600C models

Quick Specs

Wireless Broadband Technology	4G LTE / 3G EVDO / HSPA+
Cloud Management	Yes
Carrier Switching	Multi-carrier software-defined radio (user configurable)
Ports (LAN / WAN)	2 / 2 (1 GigE), +2 with COR Extensibility Dock (10/100)
Enterprise-Grade Modems	Certified embedded 3G / 4G LTE
WiFi	2x2 MIMO 802.11 b/g/n
GPS	Passive GPS with TAIP, NMEA
SIM Slots	2
Semi-ruggedized	Die-cast metal housing, shock & vibrate: MIL STD 810 G, SAE J1 455
Router Operating Temperature	-4°F to +140°F (-20°C to 60°C)
Dock Option	Enables dual modems with COR Extensibility Dock
Redundant Power Capable	With Extensibility Dock only
GPIOs	2 + 4 with 9-wire GPIO cable
Ignition Sensing / Sleep Mode	Yes
Supports FirstNet (Band 14)	With Extensibility Dock

PROTECT YOUR INVESTMENT WITH CRADLECARE

Keep deployments running with less time and effort. CradleCare Support 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.

For more information, visit cradlepoint.com/cradlecare.

FOR MORE INFORMATION, VISIT CRADLEPOINT.COM/IBR600C.