

CradlePoint **COR IBR600/IBR650**

INTEGRATED BROADBAND ROUTERS

IBR600 Series - Hardened for Machine-to-Machine



COR IBR600

The CradlePoint COR Series is built for your M2M network. It's an affordable, highly-featured, compact router with embedded modem module designed for critical business and enterprise applications that require 24/7 connectivity.

With its compact size, sleek metal case, mounting bracket, external mobile broadband and WiFi* (IBR600 only) antennas, CradlePoint COR is ideal for use in high-availability portable or fixed applications like ATMs, kiosks, surveillance, vehicles, etc.

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

Increase your Internet availability and ensure maximum uptime with business continuity features like failover/failback standard in CradlePoint COR. When configured for failover, the router detects network failures and seamlessly switches over to another active connected network(s) - keeping your network online.

Additionally, CradlePoint COR is ideal for deployment as a primary connection solution, even when a wired Internet connection is not available.

CradlePoint COR also provides VPN endpoint functionality, VLAN support, multiple remote management methods, modem data usage management and alerts, GPIO support, USB-to-serial console pass-through support for out-of-band management of connected devices and the ability to be part of a PCI-DSS compliant solution. It allows for secure access to company networks for enterprise applications and provides a secure way to transmit sensitive data to and from a remote site.

THE HEART OF YOUR M2M NETWORK

- For use in business-critical, high-availability installations such as ATMs, kiosks, surveillance, vehicles, etc. that require 24/7 connectivity
- Remote management through WiPipe Central™ for configuration, firmware updates and reporting and alerting
- WiFi* (IBR600) and no-WiFi (IBR650) options available
Wireless 2x2 MIMO “N” WiFi (802.11 b/g/n)*
- Increase your network availability with WiPipe™-powered automatic failover and failback
- Supports both wireless and wired Internet connections (two Ethernet ports for either LAN/LAN or WAN/LAN)
- Several models available with 3G and/or 4G support on US and international carriers
- IPsec VPN termination (tunnel, NAT-T, and transport) with GRE support
- VLAN support to isolate, segment and secure network traffic
- Create a custom branded Hotspot with our captive portal feature (include ToS, Ads, etc.)*
- Standalone Active GPS support on –PWD models (1x1 “N” WiFi support)



POWER / RESET / LAN / WAN / MICRO USB
COR IBR650



SIM SLOT/ON-OFF / LEDs / SIGNAL STRENGTH
COR IBR600

*WiFi is only supported on IBR600 models. IBR650 models have no WiFi radio.

cradlepoint.com/cor

COR IBR600/IBR650: INTEGRATED BROADBAND ROUTER

Provides advanced support for distributed operations and emerging industries that require flexible, reliable and secure access such as temporary Internet installations, those needing additional network bandwidth or for kiosks, digital signage, and other Machine-to-Machine (M2M) applications.

Internet Access and Device Connectivity

- Includes integrated 3G/4G modem (see attached for options and specifications)
- 2 Ethernet LAN/WAN ports for Ethernet-enabled devices or landline Internet
- Wireless 2x2 MIMO "N" WiFi (802.11 b/g/n) *
- Supports up to 32 WiFi connections at a time*
- Two SSIDs (with individual security, bandwidth limits, and QoS settings; separate critical traffic or create a public WiFi hotspot)*

Security

- IPsec VPN (up to 5 concurrent sessions) and GRE Tunneling Option, also supports pass-through VPN connections (IPSec, L2TP, PPTP)
- WEP, WPA, WPA2, WPA2 Enterprise with AES encryption for secure WiFi*
- 802.1Q VLAN support to isolate, segment and secure network traffic
- SPI Firewall and NAT (Network Address Translation) to prevent unwanted access to connected computers
- 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

- First-time and Advanced setup wizards for easy, swift and secure setup
- Remote management with WiPipe™ Central, SNMP v1/2c/3 or CLI over SSH
- IP Pass-through support provides broadband-to-Ethernet adapter
- Create a WiFi hotspot with a captive portal (terms of service, ads, etc)*
- Network failover support & load balancing
- GPIO for additional hardware control, Serial console available (USB to Serial)
- LAN/WAN affinity to assign specific LAN traffic to a WAN

Service, Support, and Warranty

- CradleCare Premier 1, 2, and 3 year Enterprise Support Agreements available with 24/7 technical support, software upgrades and advanced hardware exchange
- Limited 1 year warranty included, access to software updates and hardware repair or replacement. 2 and 3 year warranty extensions available
- CradleCare Site Survey and Installation services offered for rapid deployment

IBR600/IBR650 Differences

- IBR600: Includes WiFi, Hotspot Services/Captive Portal, WiFi-as-WAN*
- IBR650: WiFi not included to facilitate PCI and HIPAA compliance

*NOTE: WiFi related items are supported only on IBR600 models

Specifications

- DATA IN:** Integrated modem, 10/100 Ethernet Port, WiFi-as-WAN*
- DATA OUT:** WiFi (802.11 b/g/n)*, two 10/100 Ethernet ports (WAN or LAN)
- TEMPERATURE:**
 - 20°C to 60°C (-4°F to 140°F) operating modem as WAN
 - 20°C to 50°C (-4°F to 122°F) operating Ethernet as WAN
 - 30°C to 70°C (-22°F to 158°F) storage
- RELATIVE HUMIDITY:** (non-condensing): 10% to 85%, Operating 5% to 90%, Storage
- POWER:** DC input steady state voltage range: 9 - 18VDC Recommended inline fuse for vehicle installations: 1.5A slow blow
- WIFI POWER* (IBR600):** Transmit power:15dBm typ for all modes receive sensitivity: -68dBm @ HT20 (11n), -65dBm @ HT40 (11n), -72dBm typ @ 54Mbps (11g), -84dBm typ @ 11Mbps (11b)
- SIZE:** 3.3-in x 4-in x 0.9-in (85mm x 102mm x 22mm)
- WEIGHT:** 7.2 oz (200g)
- CERTIFICATIONS:** FCC, WiFi Alliance*, carrier certifications, see individual SKUs for additional certifications

What's In The Box

- COR IBR600 /IBR650 Integrated Broadband Router w/metal mounting bracket
- External 4G and/or 3G mobile broadband modem antennas (2) (SMA) w/ support for GPS on Aux connection (some models), finger tighten only
- External WiFi antennas (2) Reverse SMA*, finger tighten only
- 12V / 1.5A power supply w/locking connector; GPIO/power cable available
- Setup Guide with warranty information,

Accessories

High-gain external antennas (Omni-directional, Patch, Yagi), GPIO/power cable, see www.cradlepoint.com/COR for more

Requirements

- Internet Service and Modem** Active mobile broadband plan with cellular provider or Ethernet-based Internet connection (DSL, Cable, Satellite, T1)
- Browser** (to configure router) Minimum of Firefox v2.0, Internet Explorer v7.0, Chrome, or Safari v1.0

Router Details

- WAN Security** NAT, SPI, ALG, inbound filtering of IP addresses, port blocking, service filtering (FTP, SMTP, HTTP, RPL, SNMP, DNS, ICMP, NNTP, POP3, SSH), protocol filtering, WAN ping (allow/ignore)
- Redundancy and Load Balancing** Failover/Failback with 4G/3G /Ethernet with rule selection, Advanced Load Balancing options (round robin, spillover, data usage, rate), WAN Failure Detection
- Intelligent Routing** UPnP, DMZ, virtual server/port forwarding, routing rules, NAT-less routing, wired or wireless WAN-to-LAN IP pass-through, route management, per-interface routing, content filtering, IP filtering, website filtering, local DHCP server, DHCP client, DNS, DNS proxy. ALGs: PPTP, L2TP, PPPoE pass-through, IPsec pass-through, FTP (passive), FTP (active), SIP, TFTP, IRC, MAC address filtering, Dynamic DNS, LAN/WAN affinity, VLAN support (802.1Q)
- Management** WiPipe™ Central for remote configuration, updates, management and alerts (subscription-based); web-based GUI (local management); remote WAN web-based management w/access control (HTTP, HTTPS); SNMP v1, v2c & v3, CLI over SSH, SSH to serial, SSH to telnet, API. One-button firmware upgrade; modem configuration, update and management, modem data usage and alerts
- Performance & Health Monitoring** WiPipe™ advanced QoS with traffic shaping, Modem Health Management (MHM) improves connectivity of modem, SSID-based priority, WAN port speed control, several levels of basic and advanced logging for troubleshooting

VPN (IPSec). Tunnel, NAT-T and transport modes. Device to CradlePoint, Cisco/Linksys, CheckPoint, Watchguard, Juniper, SonicWall, Adtran and others. Certificate support. Hash (MD5, SHA128, SHA256, SHA384, SHA512), Cipher (AES, 3DES, DES), support for 5 concurrent connections, GRE tunneling, multiple networks supported in a single tunnel

GPS Active Standalone GPS on -PWD models, Passive Standalone GPS on others. GUI mapping as well as local (LAN) or remote (WAN) server logging



One-year limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice, and product appearance may differ from image depicted on this package. This product requires either an active subscription from a wireless service provider or an Ethernet-based broadband service from an Internet service provider to receive internet service. Check with your broadband provider for service coverage, fees, and other charges. © 2013 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

Ordering information

Remote Management

WiPipe™ Central Remote Management Software	<ul style="list-style-type: none"> • Cloud-based remote management and monitoring tool that provides device status, manages firmware versions, and can configure all the settings on either individual or groups of devices in real-time. • Annual and multi-year license
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Enterprise Support Agreements

CradleCare Premium Enterprise Support Agreement	<p>When your applications are mission critical, you will need the assurance that only the CradleCare Premier plan can provide: 24-hour coverage every day, all year – including holidays. As a CradleCare Premier customer, you will be assigned a dedicated account engineer* for consistency and follow up on all your cases, with periodic case reviews provided.</p> <ul style="list-style-type: none"> • Complete technical support, 24/7 coverage; Unlimited 24-hour Technical Support Center assistance; Extended warranty; Next-day parts replacement; Dedicated assigned Account Engineer*; Guaranteed response times; Online video based training sessions; Software bug fixes and upgrades; Advanced replacement; Access to CradlePoint Enterprise Advanced Services Knowledge Base and online documentation <p><i>*Dedicated account engineer for customers with 50+ sites.</i></p>
CradleCare Warranty Extension	<p>This plan represents an extension of the standard 1-year CradlePoint warranty to 2 or 3 years.</p> <ul style="list-style-type: none"> • One-Time Enterprise Technical Support; Software Bug Fixes; Access to CradlePoint Enterprise Services Knowledge base and Online Documentation; Hardware Repair/Replacement

Accessories (see CradlePoint's antenna ordering and installation guide for more antenna information)

Part # 170587-000	Directional Patch antennas for external (outside) mounting (301157)
Part # 170588-000	Directional Yagi (Log-Periodic) antennas for external (outside) mounting (304411)
Part # 170586-000	Omni-directional antennas for external (outside) mounting (301202)
Part # 170585-000	COR 2 meter power & GPIO cable (direct wire)
Part # 170584-000	COR wall power adapter
Part # 170446-002	COR international wall power adapter (for IBR600P)
Part # 170593-000	COR mounting bracket

Verizon SKUs

WiFi

COR IBR600LE-VZ 4G/3G LTE/EVDO for Verizon

Technology: LTE 3GPP Rel. 8 , EVDO RevA, A/O; CDMA 1x
Downlink Rates: LTE 100 Mbps, EVDO 3.1 Mbps (theoretical)
Uplink Rates: LTE 50 Mbps, EVDO 1.8 Mbps (theoretical)
Frequency Band: LTE Band 13 (700MHz) Cellular/PCS (800MHz/1,900 MHz)
Module Power: LTE 23 +/-1dBm, EVDO 24 +/-1dBm (typ conducted)
Module: Sierra Wireless MC7750
Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain. w/ support for GPS on Aux connection, finger tighten only.
GPS: standalone GPS support
Power Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W) Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)
Industry Standards & Certs: FCC, WiFi Alliance, Verizon
Certification Model Number: IBR600LE Certification Part Number: IBR600LE-VZ

Active GPS w/WiFi

COR IBR600LE-PWD Active GPS w/ LTE Verizon

Technology: LTE 3GPP Rel. 8 , EVDO RevA, A/O; CDMA 1x
Downlink Rates: LTE 100 Mbps, EVDO 3.1 Mbps (theoretical)
Uplink Rates: LTE 50 Mbps, EVDO 1.8 Mbps (theoretical)
Frequency Band: LTE Band 13 (700MHz) Cellular/PCS (800MHz/1,900 MHz)
Module Power: LTE 23 +/-1dBm, EVDO 24 +/-1dBm (typ conducted)
Module: Sierra Wireless MC7750
Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain. Finger tighten only.
GPS: Active Standalone GPS support. SMA connector (with included adapter) with 3.3V @ 100mA max . WiFi reduced to 1x1 N .
Power Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W) Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)
Industry Standards & Certs: FCC, WiFi Alliance, Verizon
Certification Model Number: IBR600LE Certification Part Number: IBR600LE-PWD

4G

WiFi

COR IBR600E-VZ 3G EVDO for Verizon

Technology: EVDO RevA, A/O; CDMA 1x
Downlink Rates: 3.1 Mbps (theoretical)
Uplink Rates: 1.8 Mbps (theoretical)
Frequency Band: Cellular/PCS (800MHz/1,900 MHz)
Module Power: 24 +/- 0.5dBm (typical conducted)
Module: Sierra Wireless 5728v
Antennas: Two SMA male (plug), 2 dBi gain. Finger tight is sufficient. Maximum torque spec is 7kgf-cm
GPS: standalone GPS support
Power Idle: Typ=300mA@12V (3.6W) worst case=600mA@12V (7.2W) Tx/Rx: Typ=500mA@12V (6W) worst case=1000mA@12V (12W)
Industry Standards & Certs: FCC, WiFi Alliance, Verizon
Certification Model Number: IBR600E Certification Part Number: IBR600E-VZ

No-WiFi

COR IBR650E-VZ 3G EVDO for Verizon

Technology: EVDO RevA, A/O; CDMA 1x
Downlink Rates: 3.1 Mbps (theoretical)
Uplink Rates: 1.8 Mbps (theoretical)
Frequency Band: Cellular/PCS (800MHz/1,900 MHz)
Module Power: 24 +/- 0.5dBm (typical conducted)
Module: Sierra Wireless 5728v
Antennas: Two SMA male (plug), 2 dBi gain. Finger tight is sufficient. Maximum torque spec is 7kgf-cm
GPS: standalone GPS support
Power Idle: Typ=300mA@12V (3.6W) worst case=600mA@12V (7.2W) Tx/Rx: Typ=500mA@12V (6W) worst case=1000mA@12V (12W)
Industry Standards & Certs: FCC, Verizon
Certification Model Number: IBR650E Certification Part Number: IBR650E-VZ

3G

AT&T SKUs

WiFi

Active GPS w/WiFi

COR IBR600LP-AT 4G/3G LTE/HSPA+ for AT&T

Technology: LTE/HSPA+ modem backwards compatible to GSM/GPRS/EDGE

Downlink Rates: LTE 100 Mbps, HSPA+ 21.1 Mbps (theoretical)

Uplink Rates: LTE 50 Mbps, HSPA+ 5.76 Mbps (theoretical)

Frequency Band: LTE Band 13 (700MHz) , Band 4 (AWS)

UMTS/HSPA+ (850/1900/2100 MHz)

EDGE/GPRS/GSM (850/900/1800/1900 MHz)

Module Power: LTE 23 +/-1dBm, UMTS 23 +/-1dBm (typ conducted)

Module: Sierra Wireless MC7700

Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain. w/ support for GPS on Aux connection, finger tighten only.

GPS: standalone GPS support, use dedicated GPS antenna on AUX

Power: Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W)
Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)

Industry Standards & Certs: PTCRB, FCC, IC, CE, WiFi Alliance, AT&T, Rogers

Certification Model Number: IBR600LP
Certification Part Number: IBR600LP-AT

COR IBR600LP-PWD Active GPS w/ LTE for AT&T

Technology: LTE/HSPA+ modem backwards compatible to GSM/GPRS/EDGE

Downlink Rates: LTE 100 Mbps, HSPA+ 21.1 Mbps (theoretical)

Uplink Rates: LTE 50 Mbps, HSPA+ 5.76 Mbps (theoretical)

Frequency Band: LTE Band 13 (700MHz) , Band 4 (AWS)

UMTS/HSPA+ (850/1900/2100 MHz)

EDGE/GPRS/GSM (850/900/1800/1900 MHz)

Module Power: LTE 23 +/-1dBm, UMTS 23 +/-1dBm (typ conducted)

Module: Sierra Wireless MC7700

Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain. Finger tighten only.

GPS: Active Standalone GPS support. SMA connector (with included adapter) with 3.3V @ 100mA max . WiFi reduced to 1x1 N .

Power: Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W)
Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)

Industry Standards & Certs: PTCRB, FCC, IC, CE, WiFi Alliance, AT&T

Certification Model Number: IBR600LP
Certification Part Number: IBR600LP-PWD

No-WiFi

COR IBR650P-AT HSPA+ for AT&T

Technology: HSPA+ backwards compatible to GSM/GPRS/EDGE

Downlink Rates: HSPA+ 21 Mbps (theoretical)

Uplink Rates: HSPA+ 5.76 Mbps (theoretical)

Frequency Band: UMTS/HSPA+ (850/1900/2100 MHz)

EDGE/GPRS/GSM (850/900/1800/1900 MHz)

Module Power: UMTS 23 +/-1dBm (typ conducted)

Module: Sierra Wireless 8705

Antennas: Two SMA male (plug), 2 dBi gain. Finger tighten only. Maximum torque spec is 7kgf-cm

GPS: standalone GPS support

Industry Standards & Certs: PTCRB, GCF-CC, FCC, IC, CE, AT&T

Power
Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W)
Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)

Certification Model Number: IBR650P
Certification Part Number: IBR650P-AT

4G

3.7G

Sprint SKUs

WiFi

No-WiFi

COR IBR600E-SP 3G EVDO for Sprint

COR IBR650E-SP 3G EVDO for Sprint

Technology: EVDO RevA, A/O; CDMA 1x

Technology: EVDO RevA, A/O; CDMA 1x

Downlink Rates: 3.1 Mbps (theoretical)

Downlink Rates: 3.1 Mbps (theoretical)

Uplink Rates: 1.8 Mbps (theoretical)

Uplink Rates: 1.8 Mbps (theoretical)

Frequency Band: Cellular/PCS (800MHz/1,900 MHz)

Frequency Band: Cellular/PCS (800MHz/1,900 MHz)

Module Power: 24 +/- 0.5dBm (typical conducted)

Module Power: 24 +/- 0.5dBm (typical conducted)

Module: Sierra Wireless 5728v

Module: Sierra Wireless 5728v

Antennas: Two SMA male (plug), 2 dBi gain. Finger tighten only. Maximum torque spec is 7kgf-cm

Antennas: Two SMA male (plug), 2 dBi gain. Finger tighten only. Maximum torque spec is 7kgf-cm

GPS: standalone GPS support

GPS: standalone GPS support

Power

Idle: Typ=300mA@12V (3.6W) worst case=600mA@12V (7.2W)

Tx/Rx: Typ=500mA@12V (6W) worst case=1000mA@12V (12W)

Power

Idle: Typ=300mA@12V (3.6W) worst case=600mA@12V (7.2W)

Tx/Rx: Typ=500mA@12V (6W) worst case=1000mA@12V (12W)

Industry Standards & Certs: FCC, WiFi Alliance, 802.3, plus carrier specific certifications as required

Industry Standards & Certs: FCC, 802.3, plus carrier specific certifications as required

Certification Model Number: IBR600E

Certification Part Number: IBR600E-SP

Certification Model Number: IBR650E

Certification Part Number: IBR650E-SP

3G

Clearwire SKUs

No-WiFi

COR IBR650W

4G WiMAX for Clear

Technology: WiMAX 802.16e Wave 2

Downlink Rates: 10Mbps peak, 6Mbps average

Uplink Rates: 5 Mbps peak, 1.2 Mbps average

Frequency Band: 2,500 MHz band

Module Power: 23.5 +/- 0.5 dBm (RSU/CPE)

Module: Beceem 250 chipset

Antennas: Two SMA male (plug), 5 dBi gain. Finger tighten only.
Maximum torque spec is 7kgf-cm

GPS: No GPS support

Power

Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W)

Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)

Industry Standards & Certs: FCC, 802.3, Clearwire

Certification Model Number: IBR650W

Certification Part Number: IBR650W

4G

International SKUs

WiFi

COR IBR600P(-INTL) HSPA+ for International

Technology: HSPA+ backwards compatible to GSM/GPRS/EDGE

Downlink Rates: HSPA+ 21 Mbps (theoretical)

Uplink Rates: HSPA+ 5.76 Mbps (theoretical)

Frequency Band: UMTS/HSPA+ (850/900/1900/2100 MHz)
EDGE/GPRS/GSM (850/900/1800/1900 MHz)

Module Power: UMTS 23 +/-1dBm (typ conducted)

Module: Sierra Wireless 8705

Antennas: Two SMA male (plug), 2 dBi gain. Finger tighten only. Maximum torque spec is 7kgf-cm

GPS: standalone GPS support

Industry Standards & Certs: PTCRB, GCF-CC, FCC, IC, CE, WiFi Alliance

Power
Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W)
Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)

Certification Model Number: IBR600P
Certification Part Number: IBR600P

The only difference between IBR600P and IBR600P-INTL is that the -INTL version comes with an adapter kit for non-USA/Canada power outlets (US, EU, UK, AUS)

COR IBR600LP-AT 4G/3G LTE/HSPA+ for AT&T & Canada

Technology: LTE/HSPA+ modem backwards compatible to GSM/GPRS/EDGE

Downlink Rates: LTE 100 Mbps, HSPA+ 21.1 Mbps (theoretical)

Uplink Rates: LTE 50 Mbps, HSPA+ 5.76 Mbps (theoretical)

Frequency Band: LTE Band 13 (700MHz) , Band 4 (AWS)

UMTS/HSPA+ (850/1900/2100 MHz)

EDGE/GPRS/GSM (850/900/1800/1900 MHz)

Module Power: LTE 23 +/-1dBm, UMTS 23 +/-1dBm (typ conducted)

Module: Sierra Wireless MC7700

Antennas: Two SMA male (plug), 1 dBi (LTE), 2 dBi (Cellular/PCS) gain. w/ support for GPS on Aux connection, finger tighten only.

GPS: standalone GPS support, use dedicated GPS antenna on AUX

Power: Idle:typ=350mA@12V(4.2W) worst case=700mA@12V(8.4W)
Tx/Rx:typ=600mA@12V(7.2W) worst case=1200mA@12V(14.4W)

Industry Standards & Certs: PTCRB, FCC, IC, CE, WiFi Alliance, AT&T, Rogers

Certification Model Number: IBR600LP
Certification Part Number: IBR600LP-AT

3.7G

4G