

Explorer II

Wireless 5G Gateway Router



Value Proposition

Wireless 5G Gateway Router with fast, secure connectivity on the go and travel-friendly features.

Product Description

The Explorer II is a high-performance 5G/LTE-Advanced Pro wireless gateway router built for RV, Marine, logistics, and industrial use. It supports up to 3.4 Gbps download and Wi-Fi 6 speeds up to 2.4 Gbps, enabling smooth streaming and multi-device access. With GNSS tracking, Gigabit Ethernet, and global carrier support, it's a rugged, reliable mobile connectivity solution.

A Mobile Solution for RVs and Yachts

Unlike standard router, the Explorer II is built for life on the move. It delivers reliable connectivity for RVs and Yachts using independent 2.4GHz and 5.8GHz Wi-Fi radios, 4x4 Cellular MIMO antennas, and global 5G/LTE/UMTS support. It comes equipped with advanced travel-friendly features including Trip Sharing, GNSS-powered Alarm & Sentry, USB media streaming, and third-party VPN integration. All functions are easily configured using a mobile app, no external modem or PC required.

Hardware Interface

- 2 x Nano SIM Card Slots (Push-In/Push-Out)
- 1 x USB 2.0
- 1 x Push Button Reset
- 9 x External Antenna Connectors
 - 4 x SMA for Cellular
 - 2 x RP-SMA for 2.4 GHz Wi-Fi
 - 2 x RP-SMA for 5.8 GHz Wi-Fi
 - 1 x SMA for GPS

Wi-Fi Connectivity

- **Generation:** Wi-Fi 6
Frequency Bands: Dual-Band; 2.4 GHz and 5.8 GHz
Radios: Dual for Simultaneous 2.4 GHz and 5.8 GHz operation
Operating Modes: Simultaneous Access Point & Client
- **Standards and Data Rate:**
 2.4 GHz: IEEE 802.11 b/g/n/ax, up to 574 Mbps
 5.8 GHz: IEEE 802.11 a/ac/ax, up to 2400 Mbps

Ethernet

- WAN Port (1 x): 10/100/1000 Mbps, Auto MDI/MDIX
- LAN Ports (4 x): 10/100/1000 Mbps, Auto MDI/MDIX
- Standards: IEEE 802.3, 802.3u, 802.3ab

Cellular Connectivity

RTC15924-5-XXXX

- **5G NR-SA/NSA**
Supported 5G NR Bands: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79
Data Rates:
 5G SA Sub-6: 2.4 Gbps (DL) / 900 Mbps (UL)
 5G NSA Sub-6: 3.4 Gbps (DL) / 550 Mbps (UL)
- **4G LTE:**
FDD Frequency Bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66, B71
TDD Frequency Bands: B38, B39, B40, B41, B42, B43, B48
LAA Frequency Band: B46
Data Rate: LTE 1.6 Gbps (DL) / 200 Mbps (UL)
- **3G (Fallback):**
UMTS WCDMA Frequency Bands: B1, B2, B4, B5, B8, B19

RTC15924-C-XXXX (Global)

- **4G LTE-A (CAT 12)**
FDD Frequency Bands: B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B17, B18, B19, B20, B21, B25, B26, B28, B30, B66
TDD Frequency Bands: B38, B39, B40, B41
Data Rates:
 LTE FDD: 600 Mbps (DL) / 150 Mbps (UL)
 LTE TDD: 430 Mbps (DL) / 90 Mbps (UL)
- **3G UMTS (Fallback):**
WCDMA Frequency Bands: B1, B2, B3, B4, B5, B8, B9, B19
Data Rates:
 DC-HSDPA: 42 Mbps (DL)
 HSUPA: 5.76 Mbps (UL)
 WCDMA: 384 kbps (DL) / 384 kbps (UL)

Global Navigation Satellite System (GNSS)

- Simultaneous tracking of multiple constellations
- GPS: 1575.42 MHz (L1)
- GLONASS: 1597.5 MHz - 1605.8 MHz (L1)
- Galileo: 1575.42 MHz (L1)
- BeiDou: 1561.098 MHz (L1)
- QZSS: 1575.42 MHz (L1)

Power Input

- **Voltage:** 9 VDC to 32 VDC (12 VDC typical)
- **Current:** 2.0 A max @ 12 VDC
- **Connector:** 4-position locking and DC Jack 5.5 x 2.1 mm

LED Indicator

- Power
- 2.4 GHz Wi-Fi
- 5.8 GHz Wi-Fi
- Cellular
- Ethernet Link for each port

Operating Environment

- **Temperature:**
 Operating: -20°C to 60°C (-4°F to 140°F)
 Storage: -40°C to 70°C (-40°F to 158°F)
- **Humidity:** 10% to 90% non-condensing

Physical Dimensions

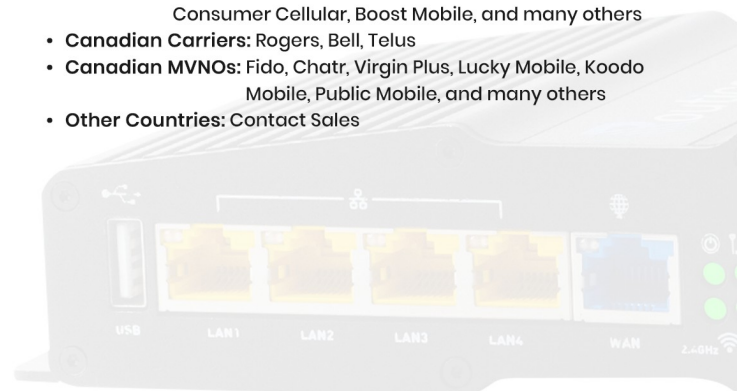
- **Dimension:** 190 x 123 x 40 mm (7.5 x 4.8 x 1.6 in)
- **Weight:** 580 g (1.28 lb)

Certifications

- **Regulatory:** FCC, ISDE, CE
- **Industry:** PTCRB, GCF

Compatible Carriers and MVNOs

- **US Carriers:** T-Mobile, Verizon, AT&T
- **US MVNOs:** Mint Mobile, Visible, Cricket, Metro, Google Fi, Ultra Mobile, Consumer Cellular, Boost Mobile, and many others
- **Canadian Carriers:** Rogers, Bell, Telus
- **Canadian MVNOs:** Fido, Chatr, Virgin Plus, Lucky Mobile, Koodo Mobile, Public Mobile, and many others
- **Other Countries:** Contact Sales



Ordering Information

RTC15924-5 Series

Product Code	Cellular Standard	Antenna Description
RTC15924-5-0001	5G	No Antenna
RTC15924-5-3301	5G	Interior Antenna Kit
RTC15924-5-5501	5G	Exterior Antenna Kit (9-in-1)

RTC15924-C Series

Product Code	Cellular Standard	Antenna Description
RTC15924-C-0001	LTE-A (CAT 12)	No Antenna
RTC15924-C-3331	LTE-A (CAT 12)	Interior Antenna Kit
RTC15924-C-4441	LTE-A (CAT 12)	Exterior Antenna Kit (7-in-1)

Antenna Options



Antenna Description

Rod Antennas (Interior)

Omni-directional, high efficiency, adjustable angles for achieving good signal reception indoors.

- Cellular: SMA connector, Frequency 600 – 2690 MHz
- Wi-Fi: RP – SMA connectors, Frequency 2.4 – 2.5 GHz, 5.15 – 5.85 GHz



Peel & Stick Antennas (Interior)

Low-profile, omni-directional, high efficiency, ideal where the Router location will not allow good signal reception with Rod Antenna. Place on or near windows for better indoor signal reception.

- Cellular: SMA connector with 2.5 meters coaxial cable, Frequency 698 – 2700 MHz
- Wi-Fi: RP-SMA connectors with 2.5 meters coaxial cable, Frequency 2.4 – 2.5 GHz, 5.15 – 5.85 GHz



Husky 9-in-1 Antenna (Exterior)

IP68-rated, omni-directional, provides best signal reception even in weak signal areas because it avoids signal loss through vehicle windows and signal reflection from objects inside the vehicle. Typically installed on the vehicle roof.

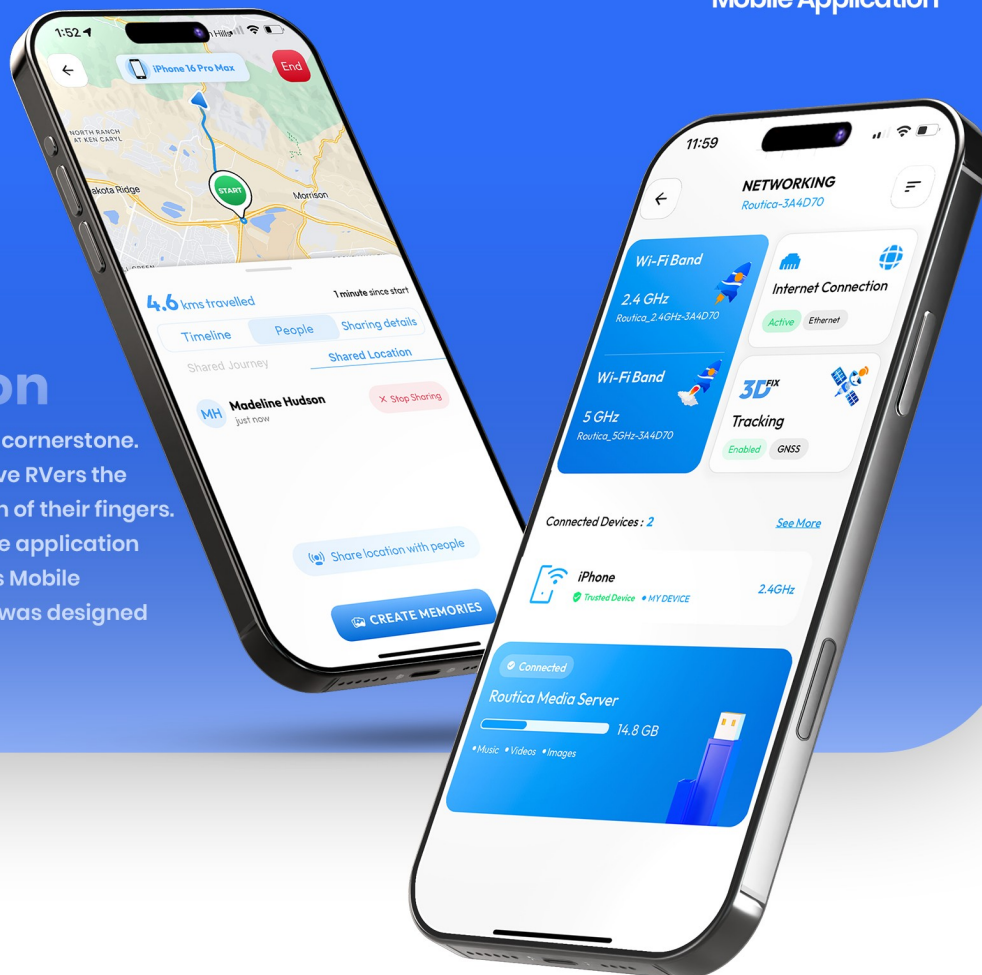
- Cellular: SMA connectors with 3.0 meters coaxial cable, Frequency 600 – 6000 MHz
- Wi-Fi: 2.4G: 2.4 ~ 2.5 GHz 5G: 4.9 ~ 7.125 GHz
- GNSS: SMA connector with 3.0 – meter coaxial cable, Frequency 1575 ~ 1610 MHz



Routica

Mobile Application

In terms of mobile connectivity, this is a cornerstone. Our Quick-Access App is designed to give RVers the ability to manage tasks with just a touch of their fingers. The configuration of your router's mobile application would be the simplest of tasks. Routica's Mobile Application is mobility personified, as it was designed with the needs of users in mind.



Key Features



Connectivity

Available in 5G NR (up to 2.4 Gbps DL / 900 Mbps UL) and LTE-Advanced Cat 12 (up to 600 Mbps DL / 150 Mbps UL) variants.



Wi-Fi as WAN

Dual Wi-Fi radio technology enables your devices to share public Hotspots.



Vehicle Location

Built-in GNSS enables real-time location tracking through the Routica App, where you can view your vehicle on a map. Requires the router to be powered on with an active internet connection.



Share Trips With Friends & Family

Invite your Friends and Family to share your trip in real time together with the photos you take along the way. Your Friends and Family will feel as if they are with you on the trip.



Alarm & Sentry

Stay informed with movement alerts delivered through the Routica App. Get notified if your vehicle changes location while the router is powered and online.



Configuration Via Mobile App

Quick Start setup app allows router configuration and setup easily.

About Us

Routica is a division of Ositech Communications Inc. Located in Canada's technology triangle (Guelph, Ontario), Ositech Communications, Inc. provides wireless data communication solutions for use in Healthcare, EMS, Public Health, Emergency/Rescue, Food Supply Chain Safety and like industries. Ositech is well known in the industry as a developer of "best of class" products for mobile data applications, an achievement due to its continuing investment in R&D.



Contact Us

Specification subject to change without notice
© Copyright Ositech Communications 2026

Location

430 Laird Road, Suites 5 – 7
Guelph, Ontario
Canada N1G 3X7

Phone

Toll Free : 1 - (888) 565 - 8282

Online

Sales : sales@routica.com
Technical Support : helpdesk@routica.com
Additional Inquiries : info@routica.com
Website : www.routica.com