

Explorer I Mobile Vehicle Gateway

The EXPLORER I Mobile Gateway is a high performance wireless router incorporating an LTE Advanced Pro Cellular Modem, Dual WiFi Radios, Gigabit Ethernet and multi-constellation GNSS technologies to deliver a complete connectivity solution faster, further and better than ever before.



Value Proposition

Mobile vehicle router with reliable on-the-go connectivity for all your connectivity needs.

Product Description

The EXPLORER I router is a high-performance, LTE-Advanced Pro vehicle gateway designed for communications in RV, Marine, public safety, logistics, and industrial applications. With dual WiFi technology, multi constellation GNSS, and Gigabit Ethernet, the EXPLORER I router enables a complete connectivity solution faster, further, and better than ever before.

A Mobile Solution for RVs and Yachts

Unlike standard routers, the EXPLORER I has been designed especially for RV and Yacht owners. Besides providing high speed Wi-Fi and Cellular connections to the Internet, an integrated multi-constellation GNSS for accurate location, the EXPLORER I offers features such as Trip sharing, Hotspot sharing, Alarm and Security that are easily setup using a mobile phone.

KEY FEATURES

- Easy configuration via mobile App
- Availability of CAT 4, CAT 6 and CAT 12 modem options
- Reliable Wi-Fi as WAN
- Integrated multi-constellation Global Navigation Satellite System (GNSS)
- GNSS location and security
- Dual Wi-Fi radio technology
- Automatic switchover from Cellular to Wi-Fi networks
- Trip Sharing

BENEFITS

- Quick setup and configuration using mobile phone. No need for a laptop
- High throughput and reliable cellular connections.
- Easily connect to public Hotspots to reduce communication costs
- Provides better location accuracy in urban canyons and under foliage
- Locate your RV/ Yacht any time. Provides peace of mind
- Enable connection to a hotspot using one Wi-Fi radio while the other Wi-Fi radio is used by your devices. Allows longer range and high throughput
- Enables connection to Internet using the most efficient wireless method from any place without interrupting device connections
- Your Family and Friends (FnF) can view your trip in real time along with photos of exciting places you are passing through. Or have a record of the track you followed on a trip and review or send to FnF after your trip is over

Applications

- Recreational Vehicles
- Boats and Yachts
- Logistics
- Transit



Explorer 1 Router - Specification

CELLULAR

CAT4 Option (North America):

Speed	Peak Down Link 150 Mbps, Up Link 50 Mbps
Bands LTE-FDD	B2/B4/B5/B12/B13/B14/B66/B71

CAT6 Option (North America):

Speed	Peak Down Link 300 Mbps, Up Link 50 Mbps
Bands LTE-FDD	B2/B4/B5/B7/B12/B13/B25/B26/ B29/B30/B66
Carrier Aggregation	Supported

CAT12 Option (Global):

Speed	Peak Down Link 600 Mbps, Up Link 150 Mbps
Bands LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/ B13/B14/B17/ B18/B20/B21/B25/ B26/B28/B29/B30/B32/B66
Bands LTE-TDD	B38/B39/B40/B41
Carrier Aggregation	Supported
Antenna Connectors	2x SMA (50 Ohms)
SIM Connector	Standard Size, Push-in/ Push-Out

ETHERNET

Ports	1x 10/100/1000 Mbps (WAN) 3x 10/100/1000 Mbps (LAN) Auto MDI/MDIX
Connector	4x RJ45

WIFI

Radios	Dual Independent concurrent operation. 2.4 GHz 802.11 b/g/n 2x2 MIMO 5 GHz 802.11 a/ac/n 2x2 MIMO
Modes	Access Point, Client
Speed	Up to 867 Mbps (on 5Ghz)
Security	WPA-PSK/WPA2-PSK (Access Point) WPA-PSK/WPA2-PSK/WEP/OPEN (Client)
Antenna Connectors	4x RP-SMA (50 Ohms)

GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS)

Constellations	GPS, GLONASS, BeiDou, Galileo, QZSS Simultaneous tracking of multiple constellations
Antenna Type	Active or Passive Antenna
Antenna Connector	1x SMA (50 Ohms)

Explorer 1 Router - Specification

POWER SUPPLY

Range	9 VDC to 28 VDC
Current	2.0A (max) @ 12VDC
Connector	4 position locking.

PHYSICAL

Dimension	164 x 137 x 35 mm (6.5 x 5.4 x 1.4 in.)
Weight	780 gm (1.75 lb)

ENVIRONMENTAL CONDITIONS

Operating	-20°C to 50°C (-4°F to 122°F)
Storage	-40°C to 70°C (-40°F to 158°F)
Humidity	10% to 90% non-condensing

CERTIFICATIONS

Regulatory	FCC, ISED
Industry	PTCRB
Cellular Carrier	Verizon, AT&T, T-Mobile, Rogers, Telus, Bell

STATUS INDICATORS

Power, 2.4GHz, 5GHz for WiFi, 4G (Cell), USB, SYS

ANTENNA OPTIONS

Rod Antennas

Stick On Antennas with 2.5 meter Coax Cable.

Magnetic mount GNSS Active Antenna with 5-meter coax cablewith.

7-in-1 High Performance Combination Antenna for external mounting with 3 meter low loss coax cable (2x LTE, 4x WiFi, 1x GNSS)

Routica Mobile App

In terms of mobile connectivity, this is a cornerstone. Our Quick-Access App is designed to give RVer's 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

With LTE Cat-12 modem capable of up to 600mbps download and 150mbps upload speeds.



Vehicle Location

Built-in GPS gives you peace of mind about your vehicle. You can also check up on your loved ones from anywhere with an Internet connection.



WI-FI as WAN

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



Share Trips With Friends & Family (FnF)

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



Alarm and Security

With GPS enabled security alarm features, you are notified if your vehicle is moved.



Configuration Via Mobile App

Quick Start setup app allows router configuration and setup easily.

About Company

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.

ISO 9001:2015 Certified » Certificate #: TRC00696

ISO 14001:2015 Certified » Certificate #: TRC00697

For more information, visit www.routica.com

CONTACT



Address

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



Phone & Fax

Free Toll: +1 800 563 2386
Phone: +1 519 836 8063
Fax: +1 519 836 6156

Online

Email 1: info@routica.com
Email 2: helpdesk@routica.com
Website: www.routica.com