



Ideal for

- Emergency Comms
- Wireless Internet Access (Primary & Failover)
- Operation of Dual Sims
- High Speed/High Quality Video Transmission

Newfoundland High Capacity Emergency Mobile Hot Spot

Up to 13 in 1



- 8X8 MIMO LTE
- 4x4 MIMO WI-FI
- GPS/GNSS
- 5G Ready

Features

- PORTABLE CASE
- 5G
- WI-FI 6
- 617MHz - 5925MHz*
- HIGH EFFICIENCY
- HIGH PERFORMANCE

*See inside for details



Product Description

The Newfoundland Emergency Hot Spot is a large IP67 case with built-in antennas that are optimized for the extra thick (3.5mm) plastic used in industry strength cases. Both sets of LTE and Wi-Fi antennas were designed for maximum performance even in remote areas where the cellular infrastructure may have been compromised. Parsec has taken the unique approach to design all antennas to fit safely into the lid of the case reducing damage and loss of performance due to hard use.

The Newfoundland is configurable up to a 13 in 1 with up to 2 sets of 4X4 MIMO LTE, 4X4 MIMO Wi-Fi and GPS/GNSS capable of running dual SIM's simultaneously. This 5G ready, 600-6000 MHz antenna is both portable and IP67 rated.

The Newfoundland is configurable as a standard antenna only format or a fully dressed out and ready for deployment version that includes a router baseplate, cover and cable management pre-installed. Router, SIM card and optional battery purchased separately.

Parsec's complete design includes fans and exhaust ports for extended temperature operation.



Operation Time

- Chargetech 54k Battery: 18-24hrs

Frequency Ranges

5G/4G/LTE Frequency Range

- 617 – 698 MHz
- 698 – 894 MHz
- 1695 – 2700 MHz
- 3400 – 3800 MHz
- 5150 – 5925 MHz

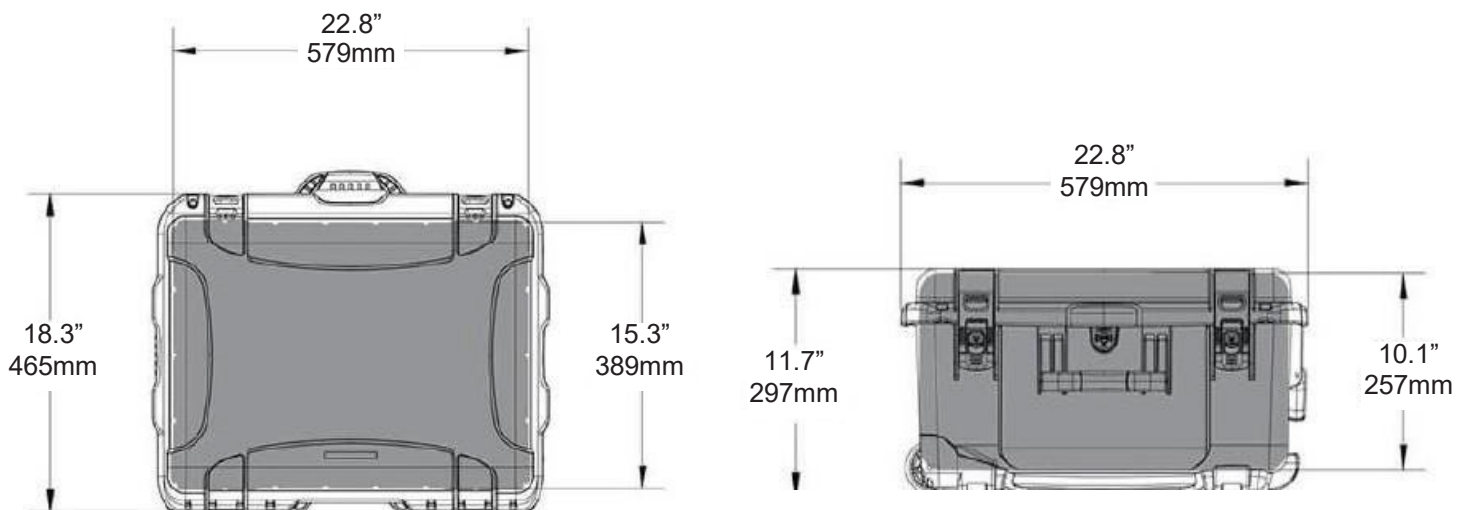
Wi-Fi Frequency Range

- 2400 – 2483.5 MHz
- 4900 – 5900 MHz

Specifications

5G*/4G/LTE Bands (US Carriers)	
AT&T	2, 4, 5* , 12, 14, 17, 29, 30, 48, 66, 77*
Verizon	2* , 4, 5* , 13, 48, 66* , 77*
T-Mobile	2, 4, 12, 25, 26, 41* , 48, 66, 71* , 77*
Mechanical	
Dimensions	22.8" x 18.3" x 11.7"
Internal Dimensions	20.5" x 15.3" x 10.1"
Lock Hole Dimension	0.3 INCH
RF Cable Length	2 foot cable
Environmental	
Operating Temperature	-40°C to 85°C
Ingress Protection	IP67

Product Dimensions

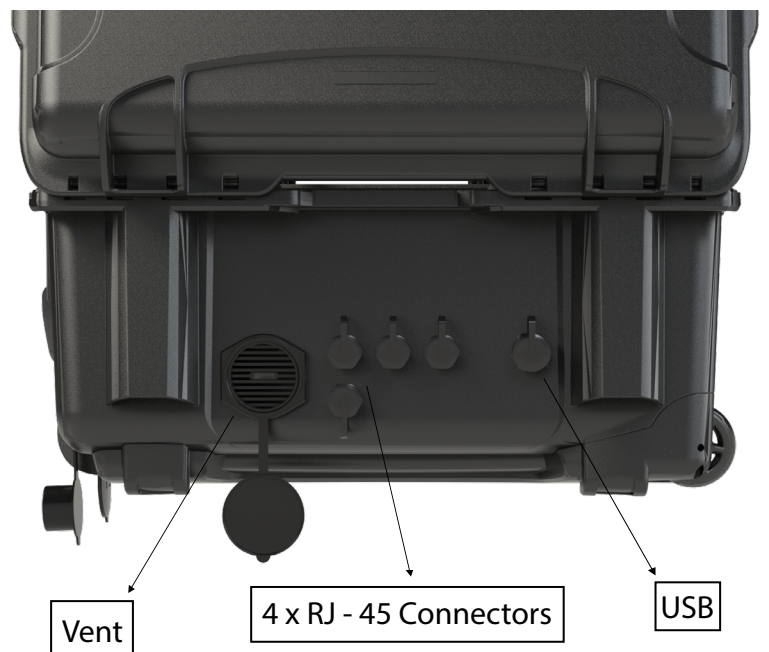
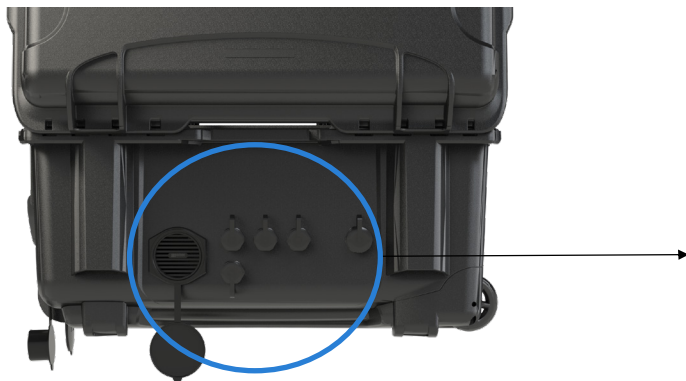


Product Images

Front and Angled View of PRO13N8L4WG-L



Rear View of PRO13N8L4WG-L



***Always open the fan cap and vent caps during operation

Side View of PRO13N8L4WG-L



* Always open the fan cap and vent caps during operation

Top Cover

Electrical Specifications

ID	Port	Parameters	Units	Typ.
Radiated Efficiency	LTE-1 thru 8	617 – 698 MHz	%	75
	LTE-1 thru 8	698 – 894 MHz		85
	LTE-1 thru 8	1695 – 2700 MHz		85
	LTE-1 thru 8	3400 – 3800 MHz		75
	LTE-1 thru 8	5150 – 5925 MHz		60
	Wi-Fi-1,2,3,4	2400 – 2483.5 MHz		80
	Wi-Fi-1,2,3,4	4900 – 5900 MHz		70
Peak Gain	LTE-1 thru 8	617 – 894 MHz	dBi	5
	LTE-1 thru 8	698 – 894 MHz		6
	LTE-1 thru 8	1695 – 2700 MHz		6
	LTE-1 thru 8	3400 – 3800 MHz		8
	LTE-1 thru 8	5150 – 5925 MHz		6
	Wi-Fi-1,2,3,4	2400 – 2483.5 MHz		5
	Wi-Fi-1,2,3,4	4900 – 5900 MHz		7
Return Loss (50 Ω)	LTE-1 thru 8	617 – 894 MHz	dB	7.5
	LTE-1 thru 8	698 – 894 MHz		11
	LTE-1 thru 8	1695 – 2700 MHz		11
	LTE-1 thru 8	3400 – 3800 MHz		9.5
	LTE-1 thru 8	5150 – 5925 MHz		6.5
	Wi-Fi-1,2,3,4	2400 – 2483.5 MHz		15
	Wi-Fi-1,2,3,4	4900 – 5900 MHz		9
Isolation	LTE	617 – 894 MHz	dB	13
	LTE	698 – 894 MHz		13
	LTE	1695 – 2700 MHz		18
	LTE	3400 – 3800 MHz		22
	LTE	5150 – 5925 MHz		27
	Wi-Fi	2400 – 2483.5 MHz		30
	Wi-Fi	4900 – 5900 MHz		35
Polarization	LTE, Wi-Fi		Linear	
Max Input Power	LTE, Wi-Fi		Watts	60
RF Connector	LTE		SMA(M)	
	Wi-Fi		RP-SMA(M)	
RF Cable Type	LTE, Wi-Fi		RG-58	
Notes:				
1. LTE-1 thru 4 are grouped together for one modem with LTE-5 thru 8 connected to the other modem.				
2. Isolation and return loss spec. does not include cable loss.				
3. The antenna has 2 ft. long RG-58 pigtails.				

Notes:

Battery, router, and SIM card are not included. Customers should contact Parsec's authorized Distributors and VAR's listed on our website for a full list of routers and other options that will complete the Emergency Hot Spot.

SMA connectors have a max torque of 3-5 inch lbs.

Case is a Nanuk 950

Ordering

Our Newfoundland Antenna consists of a protective case with the antenna built into the lid. It also has wheels and an expandable handle.

Part Numbers

Configurations	Part Number	Description
13:1	PRO13N8L4WG	8 LTE, 4 Wi-Fi, GPS, black case with antenna built into lid
13:1	PRO13N8L4WG-L	8 LTE, 4 Wi-Fi, GPS, black case with antenna built into lid with AC and DC Power option (see Antenna Options for description).

*Cases can be customized. Please contact sales@parsec-t.com for more information.

Part Number Key

Part number example of a 13:1 Newfoundland antenna, black: PRO13N8L4WG-L

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	13:1	PRO13
Antenna abbreviation for Newfoundland	N	PRO13N
Number of LTE elements	#L	PRO13N8L
Number of Wi-Fi elements	#W	PRO13N8L4W
Number of GPS elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO13N8L4WG
Optional "Loaded" - includes options on next page	-L	PRO13N8L4WG-L
Router Mount plate and Top Cover with mounting hardware		PTA0390

* Custom case colors and connectors are available. Please contact Parsec for more information.

Antenna Options

Description	Antenna Options	
	PRO13N8L4WG	PRO13N8L4WG-L
PRO13N8L4WG	YES	YES
Fan and Vent	NO	YES
A/C Adapter	NO	YES
1 X USB Adapter	NO	YES
4 X RJ-45 Connectors	NO	YES
Router Mount Plate	NO	YES
Top Cover	NO	YES

***Battery not included.** PRO13N8L4WG-L has battery mounting capability. Chargetech 54K Dual AC Battery Pack can be used.

Additional Items

PRO13N8L4WG-L	
Provided by Parsec	Ethernet Cord (4), USB Cord (1), Surge Protector (1)
To be purchased by customer	<ul style="list-style-type: none">-Additional ethernet cords (4)-USB cords (1)-Router and power supply for router-SIM card-Chargetech 54K AC Battery Pack if required*-Battery straps if required**-Power cord for case, 10A, 125V AC, straight blade male plug x straight blade female socket***

*Battery:



**Battery straps:



***Power cord:



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