



Ideal for

- Emergency Communications
- FirstNet/First Responders
- Transportation/Fleet
- Remote Locations

Golden Retriever

Emergency Mobile Hot Spot

Up to 5 in 1



- WI-FI 6
- 2x2 MIMO LTE
- 2x2 MIMO WI-FI
- GPS /GNSS
- IP67 RATED

Features

- PORTABLE CASE
- 698-3800MHz*
- HIGH EFFICIENCY
- HIGH PERFORMANCE



*See inside for details

Product Description

The Golden Retriever is a portable case with an integrated 5-in-1 antenna built into the case lid. It is available with MIMO LTE, MIMO Wi-Fi and GPS embedded into a convenient carrying case.

This compact, portable case with an integrated antenna built in is perfect for a wide variety of mobile communications.

The Golden Retriever is a virtual portable office in a box, with the addition of a wireless router and battery. You can have on the go connectivity wherever you are.

Patent pending.



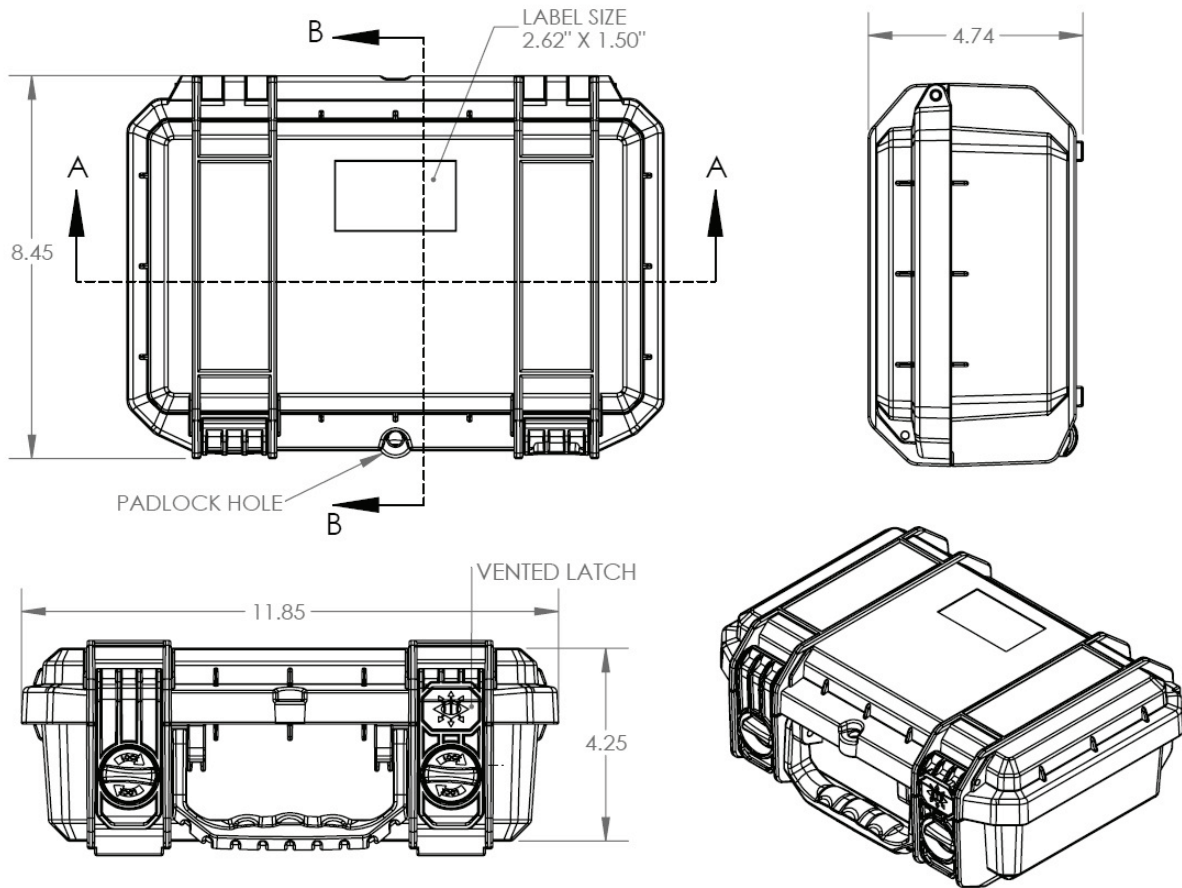
Frequency Ranges

LTE Frequency Range	Wi-Fi Frequency Range
698 – 960 MHz	2400 – 2483.5 MHz
1710 – 2200 MHz	4900 – 5900 MHz
2300 – 2700 MHz	
3300 – 3800 MHz	

Specifications

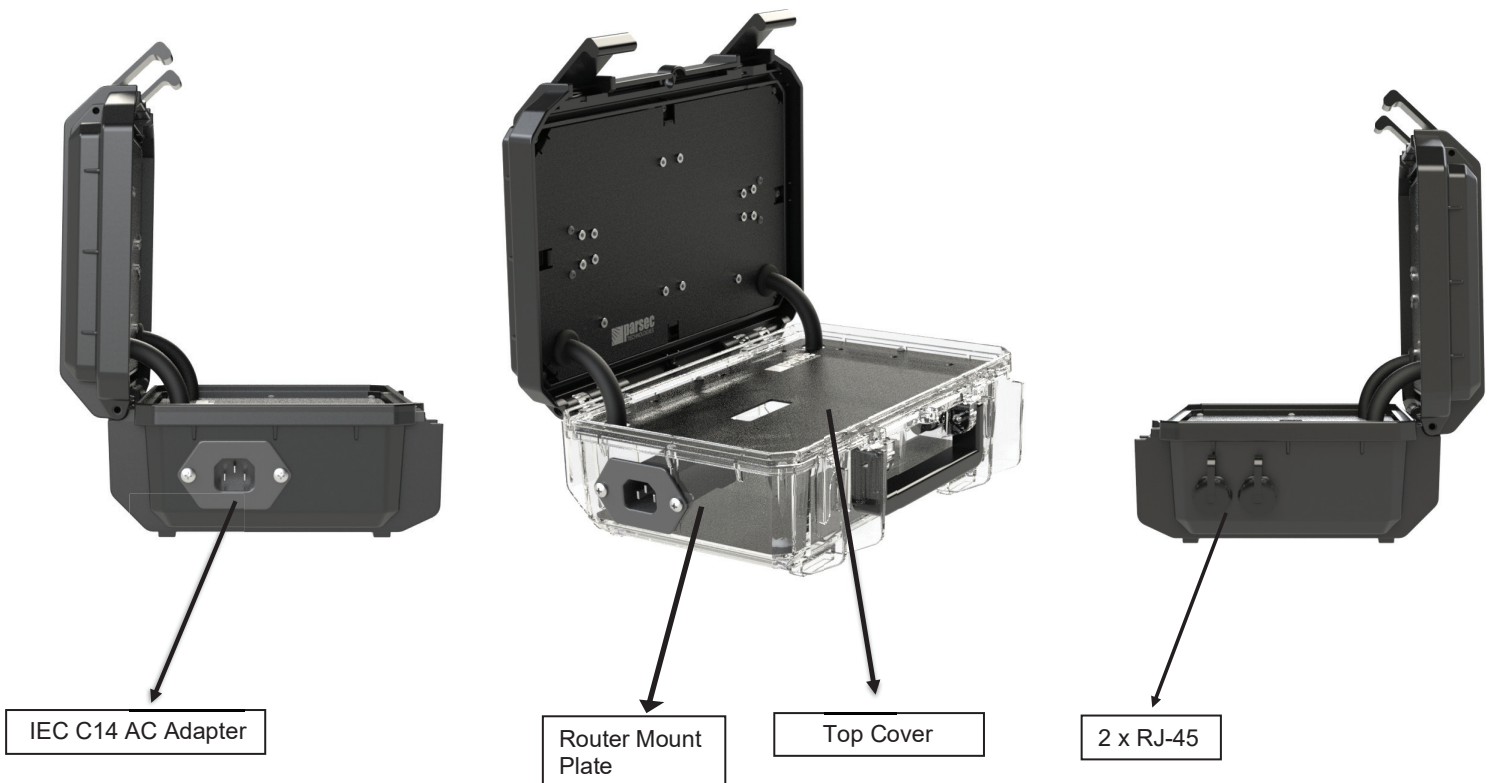
LTE Bands (US Carriers)	
AT&T	2, 4, 5, 12, 14, 17, 29, 30, 46, 48, 66
Verizon	2, 4, 5, 13, 46, 48, 66
T-Mobile	2, 4, 12, 25, 26, 41, 46, 48, 66
Mechanical	
Dimensions	11.9" x 8.5" x 4.8"
Internal Dimensions (LxWxH)	10.6" x 6.1" x 3.9"
Lock Hole Diameter	0.3 inch
RF Cable Length	1-foot cables
Environmental	
Operating Temperature	-40°C to 85°C
Ingress Protection	IP67 capability on some configurations when lid is closed

Product Dimensions



Product Images

PRO5GR2L2WG-L



*Clear cases for display purposes only.

Product Images Continued

PRO5GR2L2WG-A



IEC C14 AC Adapter



Router Mount Plate

Top Cover



PRO5GR2L2WG-G



Fan

USB-A Adapter

USB-C Charging Port



Battery Tray

Router Mount Plate

Top Cover



2 x RJ-45

Vent

*Clear cases for display purposes only.

Electrical Specifications

ID	Port	Parameters	Units	Typ.
Radiated Efficiency	LTE-1,2	698 – 960 MHz		75
	LTE-1,2	1710 – 2200 MHz		85
	LTE-1,2	2300 – 2700 MHz		80
	LTE-1,2	3300 – 3800 MHz	%	75
	GPS	1575.42MHz		80
	Wi-Fi-1,2	2400 – 2483.5 MHz		75
	Wi-Fi-1,2	4900 – 5900 MHz		75
Peak Gain	LTE-1,2	698 – 960 MHz		2.5
	LTE-1,2	1710 – 2200 MHz		6.9
	LTE-1,2	2300 – 2700 MHz		7.2
	LTE-1,2	3300 – 3800 MHz	dBi	6.2
	GPS	1575.42MHz		6.0
	Wi-Fi-1,2	2400 – 2483.5 MHz		5.8
	Wi-Fi-1,2	4900 – 5900 MHz		7.9
Return Loss (50 Ω)	LTE-1,2	698 – 960 MHz		8
	LTE-1,2	1710 – 2200 MHz		12
	LTE-1,2	2300 – 2700 MHz		12
	LTE-1,2	3300 – 3800 MHz	dB	12
	GPS	1575.42MHz		12
	Wi-Fi-1,2	2400 – 2483.5 MHz		14
	Wi-Fi-1,2	4900 – 5900 MHz		9
Isolation	LTE-1 to 2	698 – 960 MHz		15
	LTE-1 to 2	1710 – 2700 MHz		21
	LTE-1 to 2	3300 – 3800 MHz	dB	21
	Wi-Fi-1,2	2400 – 2483.5 MHz		15
	Wi-Fi-1,2	4900 – 5900 MHz		18
Polarization	LTE, Wi-Fi GPS			Linear RHCP
Max Input Power	LTE, Wi-Fi		Watts	5
GNSS Preamp Gain	GPS		dB	28
GNSS Preamp Voltage	GPS		V	2.2 to 5.0
RF Connectors	LTE, GPS			SMA(M)
	Wi-Fi			RP-SMA(M)
Cables	LTE, Wi-Fi			RG316
	GPS			LSR100
Notes: <ol style="list-style-type: none"> Electrical specifications based on antenna mounted inside the Seahorse 230 Protective Case Isolation does not include cable loss. 				

Ordering

Our Golden Retriever antenna consists of a protective case with an antenna built into the lid.

Standard Case Antenna

Configurations	Part Number	Description
5:1	PRO5GR2L2WG	2 LTE, 2 Wi-Fi, GPS, Black case with antenna built into lid.

Non-Standard Case Antennas

Configurations	Part Number	Description
5:1	PRO5GR2L2WG-L	2 LTE, 2 Wi-Fi, GPS, Black case with antenna built into lid with AC adapter (see antenna options for description).
5:1	PRO5GR2L2WG-A	2 LTE, 2 Wi-Fi, GPS, Black case with antenna built into lid with AC adapter (see antenna options for description).
5:1	PRO5GR2L2WG-G	2 LTE, 2 Wi-Fi, GPS, Black case with antenna built into lid with ChargeTech 20k battery (Battery not included) (see antenna options for description).

Part Number Key

Part number example of a 5:1 Golden Retriever antenna PRO5GR2L2WG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	5:1	PRO5
Antenna abbreviation for Golden Retriever	GR	PRO5GR
Number of LTE Elements	#L	PRO5GR2L
Number of Wi-Fi Elements	#W	PRO5GR2L2W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO5GR2L2WG
Router Mount Plate		PTA0392
Optional L version – Options listed below.	-L	PRO5GR2L2WG-L
Optional A version – Options listed below.	-A	PRO5GR2L2WG-A
Optional G version – Options listed below.	-G	PRO5GR2L2WG-G

Antenna Options

Options	Antennas		
	PRO5GR2L2WG-L	PRO5GR2L2WG-A	PRO5GR2L2WG-G
PRO5GR2L2WG	YES	YES	YES
FAN	NO	NO	YES
A/C Adapter	YES	YES	NO
USB-C Charging Port	NO	NO	YES
1x USB-A Adapter	NO	NO	YES
RJ-45 Connectors	2	0	2
Router Mount Plate	YES	YES	YES
Top Cover	YES	YES	YES
Battery Tray	NO	NO	YES

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.

Additional Items

PRO5GR2L2WG-L	
Provided by Parsec	Ethernet cord (2)
To be purchased by customer	<ul style="list-style-type: none"> -Additional ethernet cords (2) -Router and power supply for router -SIM card -Power cord for case, 10A, 125V AC, straight blade male plug x straight blade female socket*

PRO5GR2L2WG-A	
To be purchased by customer	<ul style="list-style-type: none"> -Router and power supply for router -SIM card -Power cord for case, 10A, 125V AC, straight blade male plug x straight blade female socket*

PRO5GR2L2WG-G	
Provided by Parsec	Ethernet cords (2)
To be purchased by customer	<ul style="list-style-type: none"> -Additional ethernet cords (2) -Router and power supply for router -SIM card -Chargetech Portable Outlet 20k Battery (part number: PTA0511)**

*Power cord for case:



**Battery:



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