

The Golden Retriever PRO series portable case antenna is a 2X2 MIMO cellular, 2X2 MIMO Wi-Fi with optional GPS/ GNSS. This compact, portable case with an integrated antenna built in is perfect for a wide variety of mobile communications.

This PRO series IP67 rated antenna is embedded into a convenient carrying case. It is designed for high performance during adverse conditions and is portable in case of emergency.

Patented



1st
to
5G



Configurations 5:1

Emergency Communications | First Responders | Transportation & Fleet

High Data Speeds

High Capacity and Efficiency

Portable Design

Compact Size Allows for Ease of Use

Durable

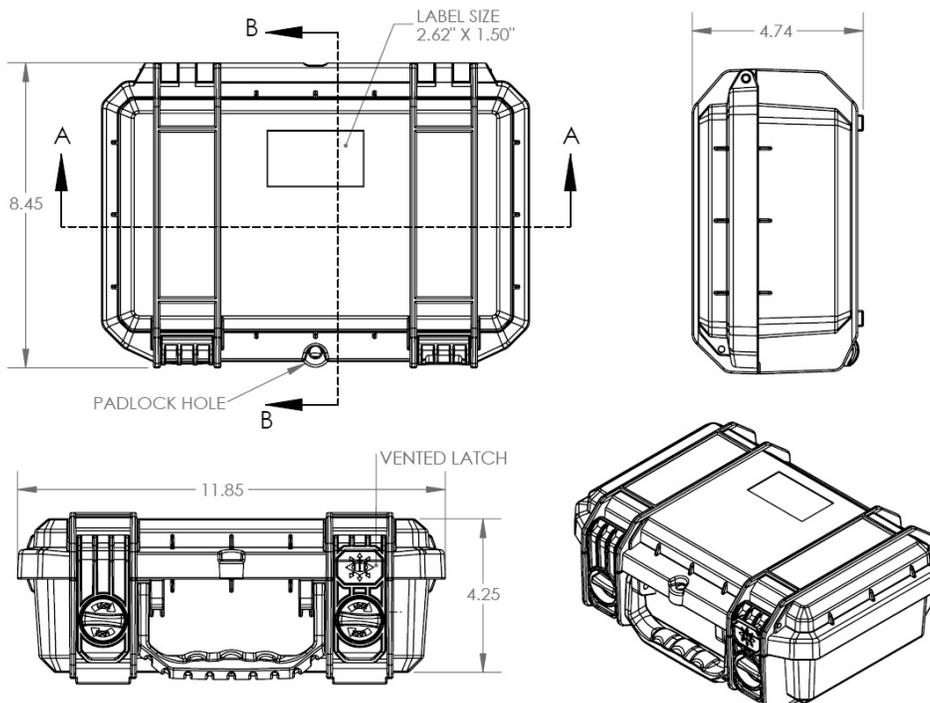
Shock Resistant Mobile Case

- 2X2 MIMO CELLULAR
- 2X2 MIMO WI-FI
- GPS/ GNSS
- 600-3800 MHz
- 11.9 in X 8.5 in X 4.8 in
- WI-FI 6 COMPATIBLE

Specifications

Frequencies			
4G/5G Cellular	698-960 MHz 1710-2700 MHz 2300-2700 MHz 3300-3800 MHz	Wi-Fi	2400-2483.5 MHz 4900-5900 MHz
4G/5G Bands			
North America	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B66		
EMEA	B1, B3, B7, B20, B28		
Mechanical		Environmental	
Dimension	11.9 inch X 8.5 inch X 4.8 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Internal Dimensions	10.6 inch X 6.1 inch X 3.9 inch	Ingress Protection	IP67 for -A Version *when closed. IP54 for -G &-L Version *when all ports and lid are closed
Lock Hole Diameter	0.3 inch		
RF Cable Length	1 ft Cables		
Max Router Configuration	2 Cellular, 2 Wi-Fi, GPS	Max Router Dimensions	4.5" x 4.65" x 1.2"
<ul style="list-style-type: none"> • Temperature range is for antenna only. Equipment installed inside the enclosure may have a different temperature range. • *Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed. 			

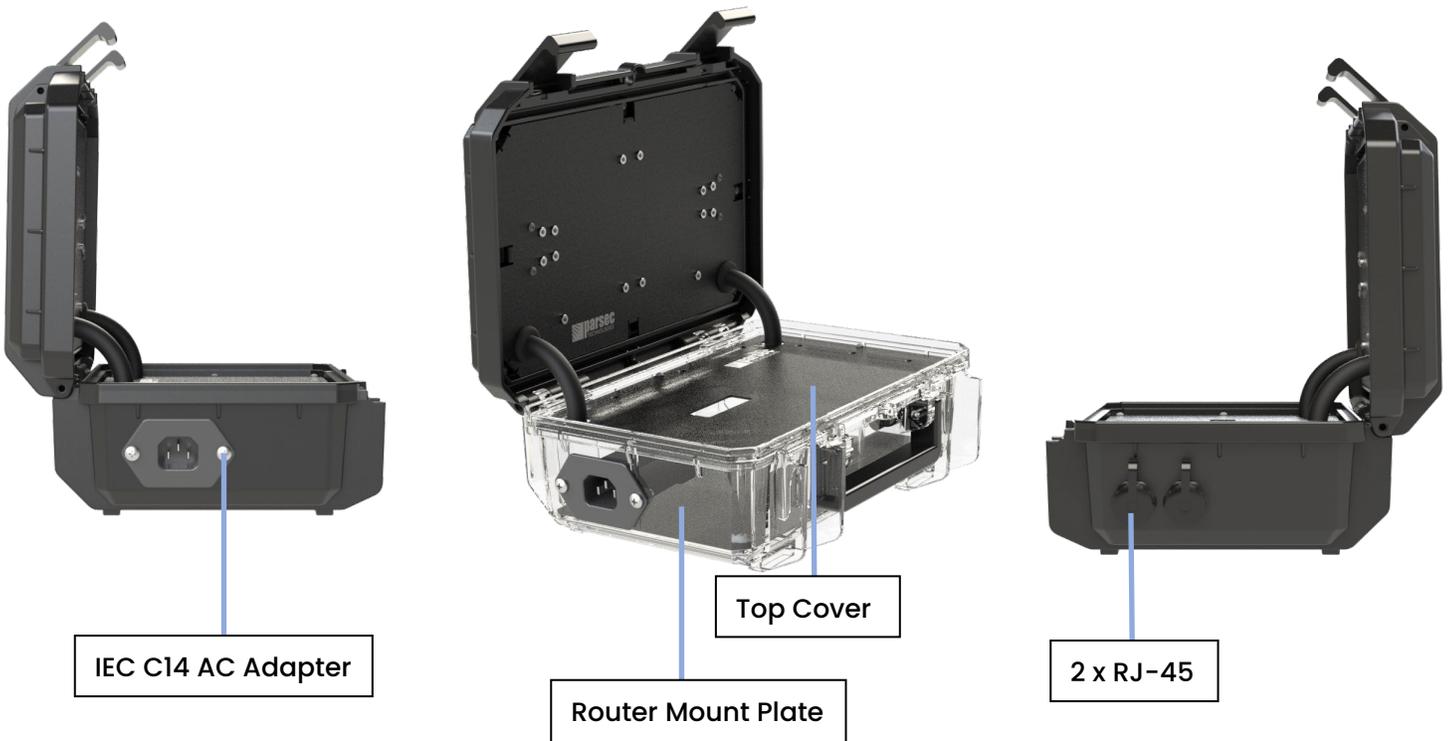
Dimensions



Product Images



PRO5GR2L2WG-L



*Clear cases for display purposes only.

PRO5GR2L2WG-A



IEC C14 AC Adapter

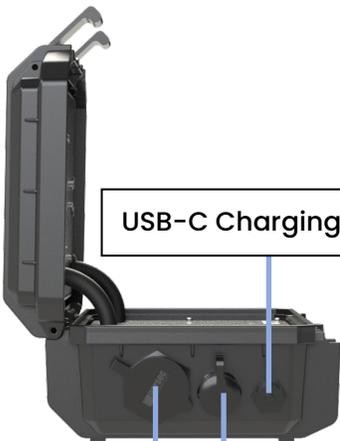


Router Mount Plate

Top Cover



PRO5GR2L2WG-G



USB-C Charging Port

Fan

USB-A Adapter



Battery Tray

Router Mount Plate

Top Cover



2 x RJ-45

Vent

*Clear cases for display purposes only.

Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2	698-960 MHz	75
	CELL 1, 2	1710-2200 MHz	85
	CELL 1, 2	2300-2700 MHz	80
	CELL 1, 2	3300-3800 MHz	75
	GPS	1575.42 MHz	80
	Wi-Fi 1, 2	2400-2483.5 MHz	75
	Wi-Fi 1, 2	4900-5900 MHz	75
Peak Gain (dBi)	CELL 1, 2	698-960 MHz	2.5
	CELL 1, 2	1710-2200 MHz	6.9
	CELL 1, 2	2300-2700 MHz	7.2
	CELL 1, 2	3300-3800 MHz	6.2
	Wi-Fi 1, 2	2400-2483.5 MHz	5.8
	Wi-Fi 1, 2	4900-5900 MHz	7.9
Return Loss 50Ω (dB)	CELL 1, 2	698-960 MHz	8
	CELL 1, 2	1710-2200 MHz	12
	CELL 1, 2	2300-2700 MHz	12
	CELL 1, 2	3300-3800 MHz	12
	GPS	1575.42 MHz	12
	Wi-Fi 1, 2	2400-2483.5 MHz	14
	Wi-Fi 1, 2	4900-5900 MHz	9
Isolation (dB)	CELL 1 to 2	698-960 MHz	15
	CELL 1 to 2	1710-2700 MHz	21
	CELL 1 to 2	3300-3800 MHz	21
	Wi-Fi 1, 2	2400-2483.5 MHz	15
	Wi-Fi 1, 2	4900-5900 MHz	18
Polarization (dBi)	CELL, Wi-Fi GPS		Linear RHCP
Max Input Power (Watts)	CELL, Wi-Fi		5
GNSS Preamp Gain (dB)	GPS		28
GNSS Preamp Voltage (V)	GPS		2.2 to 5.0
RF Connectors	CELL, GPS Wi-Fi		SMA(M) RPSMA(M)
RF Cable Type	CELL, Wi-Fi GPS		RG316 LSR100
<ul style="list-style-type: none"> Electrical specifications based on antenna mounted inside the Seahorse 230 Protective Case. Isolation, return loss, and peak gain does not include cable loss. Parsec is currently phasing out inventory with LTE on our Cellular cables (now labeled CELL). For cables labeled LTE, please refer port "CELL" in the data sheets and installation instructions. 			

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 CELL 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 – Includes the options listed	-L	PRO5GR2L2WG-L
Optional A version – Includes the options listed	-A	PRO5GR2L2WG-A
Optional G version – Includes the options listed	-G	PRO5GR2L2WG-G
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering

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

Config.	Part Number	Description
5:1	PRO5GR2L2WG	2 Cellular, 2 Wi-Fi, GPS, Protective Case with Antenna Built into Lid
	PRO5GR2L2WG-L	2 Cellular, 2 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with AC Adapter (See antenna options for description)
	PRO5GR2L2WG-A	2 Cellular, 2 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with AC Adapter (See antenna options for description)
	PRO5GR2L2WG-G	2 Cellular, 2 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with ChargeTech 20K Battery (battery not included) (see antenna options for description)
*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.		

Antenna Options

Description	PRO5GR2L2WG	-G Version	-L Version	-A Version
Antenna	YES	YES	YES	YES
Fan	NO	YES	NO	NO
AC Adapter	YES	NO	YES	YES
USB-C Charging Port	NO	YES	NO	NO
1x USB Adapter	NO	YES	NO	NO
2x RJ-45 Connectors	YES	YES	YES	NO
Router Mount Plate	YES	YES	YES	YES
Top Cover	YES	YES	YES	YES
Battery Tray	NO	YES	NO	NO
Battery: ChargeTech 20K AC Battery Pack- Portable Power Supply (Not Included with Antenna. Must Be Purchased Separately.)				
For more information, see our installation instructions at Parsec-t.com for Golden Retriever Case Series.				

Additional Hardware Accessories

Accessory	Part Number
RJ-45 Adapter	PTA0415
USB-A Panel Mount	PTA0448
USB-C Connector	PTA0633
HDMI Port	PTA0683
DC Barrel	PTA0447B
IEC to NEMA 5-15R Adapter Kit	PTA0770
Screws	PTA0071B
40mm Fan Replacement Kit (Includes Screws and Nuts)	PTA0764
40mm Fan and Vent Kit	PTA0477
SMA Wrench, Key Chain	PTA0194
Service: Router Installation	PTA-Install-100



Parsec Antennas
972-804-4600
support@parsec-t.com