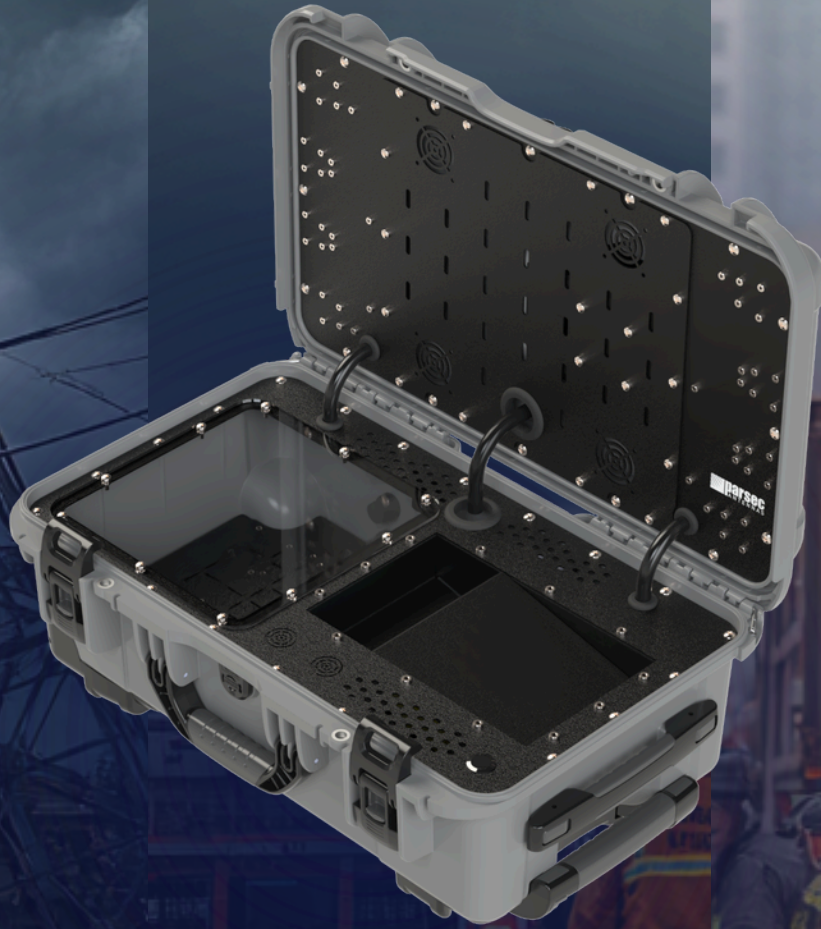




Pitbull Pro Series

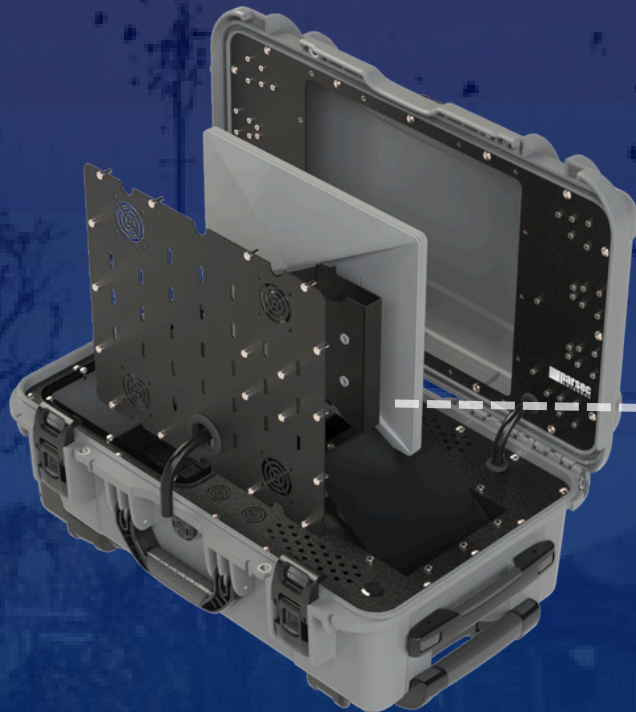
The First All-in-One Starlink and Cellular Router Case
for Primary or Failover



Pitbull Pro Series



Stay Connected Anytime, Anywhere



Starlink Mini custom designed to fit inside the lid

The Pitbull brings Starlink's Satellite Internet to your portable 5G case antenna. **The Pitbull deploys up to 2 sets of 4X4 MIMO Cellular, 4X4 MIMO Wi-Fi, Starlink Satellite Internet, and optional GPS.** This omni-directional travel friendly case antenna is built to provide optimal support for emergency responders and enterprise systems reliant on failover connectivity in even the most remote of locations.

Parsec's Patented Antenna Technology with extended range up to 25 miles for 5G!

- Up to 2 Sets of 4X4 MIMO Cellular
- 4X4 MIMO Wi-Fi
- 5G Omni-Directional Antenna
- Starlink Satellite Internet
- Optional GPS

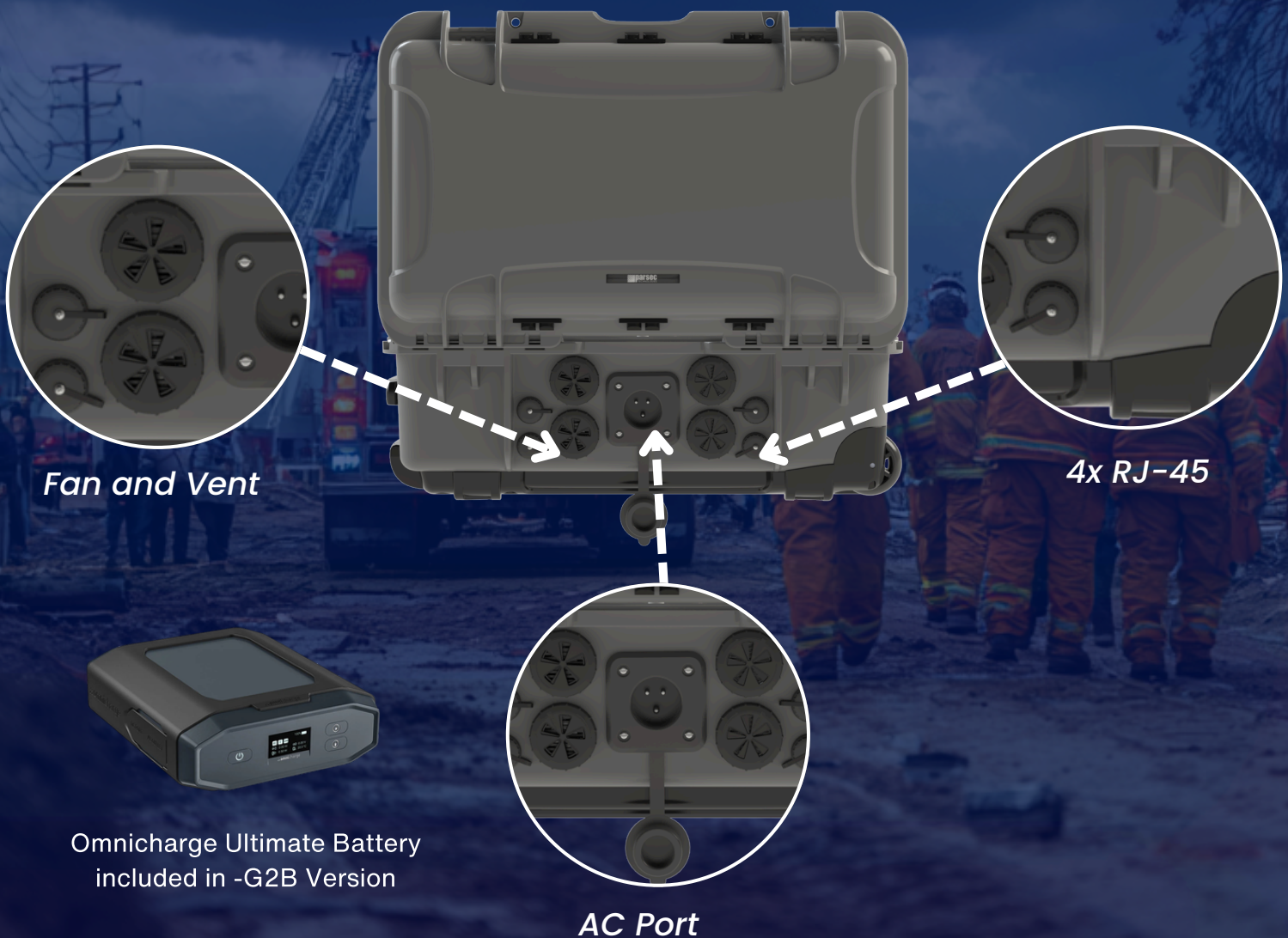
Pitbull Pro Series



Stay Connected Anytime, Anywhere

All-in-One Connectivity Connectivity Game-Changer

This rugged case antenna will extend the range to cover more area for remote cameras for security or able to run both Starlink Mini and cellular networks at the same time. The Pitbull series is a rugged, IP54-rated case with an AC adapter and customizable ports such as RJ45s, with a specialized Starlink Mini mount on the lid of the case it is a great all-in-one packaged solution to meet all your connectivity needs.



Stay Connected Anytime, Anywhere

The True Definition of Rapid Deployable Instant Network Access, Anywhere You Go

Deploy anywhere, instantly—no setup time required. The system ensures reliable communication for critical events such as fires, hurricanes, floods, and other public safety incidents. Even during emergencies with network congestion or signal loss, it keeps you connected. Designed for rapid deployment, it can be easily strapped to a truck bed for mobile operations, providing instant network access wherever needed.

IP54 weather-resistant
when closed.

Engineered With You in Mind

Applications



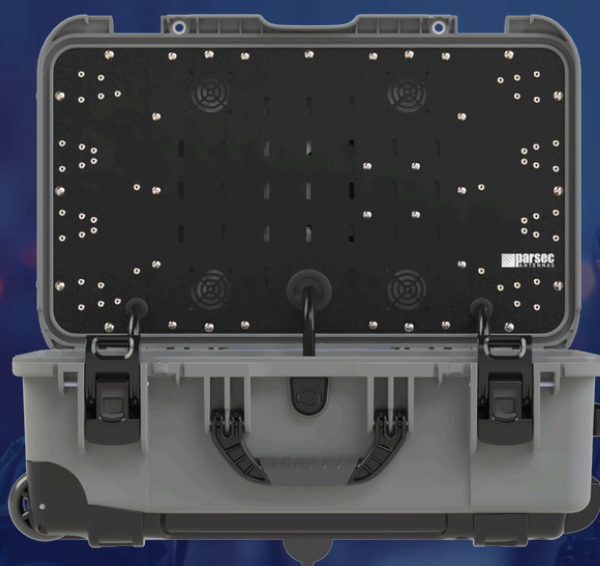
First Responders



Police & Fire



Government Buildings



Healthcare Facilities



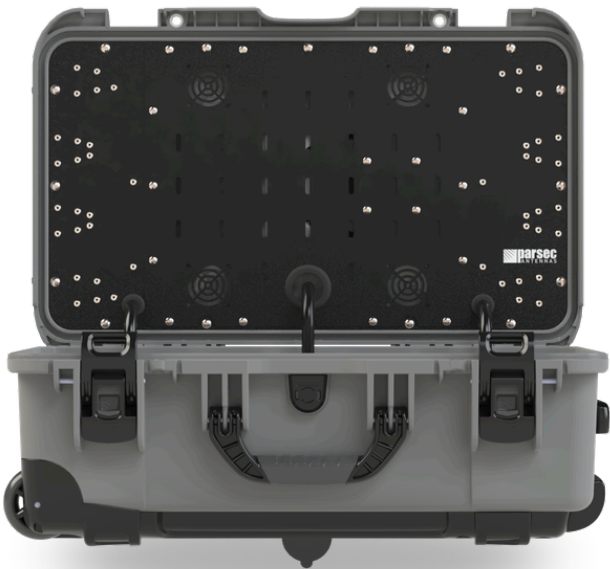
Remote Sites



Network Failover

Why Choose the Pitbull

- High-performance Band 14 connectivity
- Extended device battery life
- Rugged design
- Mission-ready.



Specification Overview

Pitbull ECK		
Applications	Emergency Communications, Dual Network, Remote Connectivity	
Configurations	13:1 – 8 CELL, 4 Wi-Fi, L1/L5 Dual Band GPS 11:1 – 8 CELL, 2 Wi-Fi, L1 GPS 9:1 – 8 CELL, L1/L5 Dual Band GPS 9:1 – 4 CELL, 4 Wi-Fi, L1/L5 Dual Band GPS 7:1 – 4 CELL, 2 Wi-Fi, L1 GPS	
Categories:	Public Safety, 5G, Starlink, Enterprise, Mobile	
Antennas Included:	Cellular, Wi-Fi, GPS	
Type:	Case/Enclosure	
Antenna Pattern:	Omni-Directional	
Available Colors:	Red	
Cable Type	Cellular	RG-316
	Wi-Fi	RG-316
	GPS	LSR100
Standard Cable Length	30 IN Pigtails	
Standard Connector Options:	Cellular	SMA(M)
	Wi-Fi	RP-SMA(M)
	GPS	SMA(M)

Specifications

Frequencies			
4G/5G Cellular	617-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	Wi-Fi	2400 - 2483.5 MHz 4900 - 5900 MHz
		L1 GPS	1575.42 MHz
		L1/L5 Dual Band GPS (Only with 9:1 and 13:1 configurations)	1563 – 1587 MHz 1164 – 1189 MHz
4G/5G Bands			
North America		B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66, B71 n2, n5, n12, n25, n26, n41, n48, n66, n71, n77	
EMEA		B1, B3, B7, B20, B28, B42, B43, B46 n1, n3, n28, n77, n78	
Hardware			
Dimensions	22 inch x 14 inch x 9 inch	Operating Temperature	-40 °C to 85°C
Power	110-120 Volt AC (60 Hz)	Ingress Protection	-L Version: IP54* -G2B Version: IP54*
Battery (included)	Omnicharge Ultimate+ OP2FPA01 Custom Battery (-G2B Version)		
Radome Material	Plastic with UV Additive		
Connectors	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)	RF Cable Length	30 inch pigtails
Router Options	Ericsson R980 Ericsson R1900 Ericsson R1900+Dock Peplink BR1 Pro 5G Peplink BR2 Pro	Max Router Configuration	8 Cellular, 4 Wi-Fi, GPS, OR 4 Cellular, 4 Wi-Fi, GPS

- For customizations, such as Connector Type, Cable Length, Color, Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com.
- For different router configurations, reach out to Parsec for more information.
- Temperature range is for antenna only. Equipment installed inside the enclosure may have different temperature range.

*When lid and all ports are closed. Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed.

Electrical Specification: 8 CELL, 4 Wi-Fi Configuration

ID	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2, 5, 6	617 – 663 MHz	35
	CELL 1, 2, 5, 6	663 – 777 MHz	45
	CELL 1, 2, 5, 6	777 – 894 MHz	65
	CELL 1, 2, 5, 6	1710 – 2000 MHz	80
	CELL 1, 2, 5, 6	2000 – 2700 MHz	85
	CELL 1, 2, 5, 6	3400 – 4000 MHz	70
	CELL 1, 2, 5, 6	5150 – 5925 MHz	65
	CELL 3, 4, 7, 8	617 – 663 MHz	25
	CELL 3, 4, 7, 8	663 – 777 MHz	30
	CELL 3, 4, 7, 8	777 – 894 MHz	40
	CELL 3, 4, 7, 8	1710 – 2000 MHz	70
	CELL 3, 4, 7, 8	2000 – 2700 MHz	85
	CELL 3, 4, 7, 8	3400 – 4000 MHz	70
	CELL 3, 4, 7, 8	5150 – 5925 MHz	70
	Wi-Fi - 1, 2, 3, 4	2400 – 2483.5 MHz	80
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	70
Peak Gain (dBi)	CELL 1, 2, 5, 6	617 – 663 MHz	0.5
	CELL 1, 2, 5, 6	663 – 777 MHz	1.5
	CELL 1, 2, 5, 6	777 – 894 MHz	2.5
	CELL 1, 2, 5, 6	1710 – 2000 MHz	6
	CELL 1, 2, 5, 6	2000 – 2700 MHz	6.5
	CELL 1, 2, 5, 6	3400 – 4000 MHz	5.5
	CELL 1, 2, 5, 6	5150 – 5925 MHz	7
	CELL 3, 4, 7, 8	617 – 663 MHz	-1
	CELL 3, 4, 7, 8	663 – 777 MHz	0

<i>ID</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
	CELL 3, 4, 7, 8	777 – 894 MHz	1
	CELL 3, 4, 7, 8	1710 – 2000 MHz	5.5
	CELL 3, 4, 7, 8	2000 – 2700 MHz	7
	CELL 3, 4, 7, 8	3400 – 4000 MHz	7
	CELL 3, 4, 7, 8	5150 – 5925 MHz	7.5
	Wi-Fi - 1, 2, 3, 4	2400 – 2483.5 MHz	5
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	5
Return Loss 50 Ω (dB)	CELL 1, 2, 5, 6	617 – 663 MHz	6
	CELL 1, 2, 5, 6	663 – 894 MHz	10
	CELL 1, 2, 5, 6	1710 – 2000 MHz	12
	CELL 1, 2, 5, 6	2000 – 2700 MHz	15
	CELL 1, 2, 5, 6	3400 – 4000 MHz	8
	CELL 1, 2, 5, 6	5150 – 5925 MHz	9
	CELL 3, 4, 7, 8	617 – 663 MHz	7
	CELL 3, 4, 7, 8	663 – 894 MHz	8
	CELL 3, 4, 7, 8	1710 – 2500 MHz	11
	CELL 3, 4, 7, 8	2500 – 2700 MHz	8
	CELL 3, 4, 7, 8	3400 – 3700 MHz	10
	CELL 3, 4, 7, 8	3700 – 4000 MHz	7
	CELL 3, 4, 7, 8	5150 – 5925 MHz	8
	Wi-Fi - 1, 2, 3, 4	2400 – 2483.5 MHz	12
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	9
Isolation (dB)	CELL MIMO	617 – 894 MHz	16
	CELL MIMO	1710 – 2000 MHz	18
	CELL MIMO	2000 – 2700 MHz	22
	CELL MIMO	3400 – 4000 MHz	30
	CELL MIMO	5150 – 5925 MHz	30
	CELL Adjacent	617 – 698 MHz	6.5
	CELL Adjacent	698 – 894 MHz	7
	CELL Adjacent	1710 – 2000 MHz	13
	CELL Adjacent	2000 – 2700 MHz	16
	CELL Adjacent	3400 – 4000 MHz	20
	CELL Adjacent	5150 – 5925 MHz	20
	Wi-Fi - 1, 2, 3, 4	2400 – 2483.5 MHz	25
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	35

Polarization	CELL, Wi-Fi		Linear
RF Connectors	CELL Wi-Fi		SMA(M) RP-SMA(M)
RF Cable Type	CELL, Wi-Fi		RG-316
- Isolation, return loss, and peak gain do not include cable loss from 30 inch cables supplied. - CELL MIMO isolation is the isolation between elements grouped for 4x4 MIMO for one modem. - CELL Adjacent isolation is the isolation between adjacent elements for separate modems. - SMA connectors have a max torque of 3-5 inch lbs. - Electrical specifications based on antenna mounted in the lid of the plastic enclosure. *Starlink Mini, 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. - Please see Ordering Guide regarding Battery Inclusion.			

Electrical Specification: 4 CELL, 4 Wi-Fi
Configuration

ID	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL - 1, 2, 3, 4	617 – 777 MHz	60
	CELL - 1, 2, 3, 4	777 – 817 MHz	65
	CELL - 1, 2, 3, 4	817 – 894 MHz	70
	CELL - 1, 2, 3, 4	1710 – 2700 MHz	85
	CELL - 1, 2, 3, 4	3400 – 3700 MHz	70
	CELL - 1, 2, 3, 4	3700 – 4000 MHz	80
	CELL - 1, 2, 3, 4	5150 – 5925 MHz	70
	Wi-Fi - 1, 2, 3, 4	2400 – 2483 MHz	80
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	75

Peak Gain (dBi)	CELL - 1, 2, 3, 4	617 – 777 MHz	3.5
	CELL - 1, 2, 3, 4	777 – 894 MHz	4
	CELL - 1, 2, 3, 4	1710 – 2700 MHz	6.5
	CELL - 1, 2, 3, 4	3400 – 4000 MHz	6
	CELL - 1, 2, 3, 4	5150 – 5925 MHz	7
	Wi-Fi - 1, 2, 3, 4	2400 – 2483 MHz	4.5
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	6
Return Loss 50 Ω (dB)	CELL - 1, 2, 3, 4	617 – 663 MHz	5
	CELL - 1, 2, 3, 4	663 – 746 MHz	7
	CELL - 1, 2, 3, 4	746 – 894 MHz	9
	CELL - 1, 2, 3, 4	1710 – 2700 MHz	12
	CELL - 1, 2, 3, 4	3400 – 3700 MHz	10
	CELL - 1, 2, 3, 4	3700 – 4000 MHz	7
	CELL - 1, 2, 3, 4	5150 – 5925 MHz	8
	Wi-Fi - 1, 2, 3, 4	2400 – 2483 MHz	10
	Wi-Fi - 1, 2, 3, 4	4900 – 5900 MHz	12
Isolation (dB)	CELL	617 – 746 MHz	11
	CELL	746 – 894 MHz	15
	CELL	1710 – 1800 MHz	20
	CELL	1800 – 2700 MHz	22
	CELL	3400 – 4000 MHz	27
	CELL	5150 – 5925 MHz	32
	Wi-Fi	2400 – 2483 MHz	15
	Wi-Fi	4900 – 5900 MHz	30
Polarization (dBi)	CELL, Wi-Fi		Linear
RF Connectors	CELL Wi-Fi		SMA(M) RP-SMA(M)
RF Cable Type	CELL, Wi-Fi		RG-316
- Isolation, return loss, and peak gain do not include cable loss from ?? inch cables supplied. - SMA connectors have a max torque of 3-5 inch lbs. - Electrical specifications based on antenna mounted in the lid of the plastic enclosure. *Starlink Mini, 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. - Please see Ordering Guide regarding Battery Inclusion.			

GNSS Electrical Specifications

<i>ID & Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Antenna + Preamp Gain (dBic)	GPS	L1: 1563 – 1587 MHz L5: 1164 – 1189 MHz	28 26
Polarization	GPS		RHCP
Filter Rejection (dB)	GPS	1625 MHz	TBD
GNSS Preamp Voltage (V)	GPS		3 to 5
GNSS Preamp Current (mA)	GPS		< 45mA
RF Connector	GPS		SMA(M)
RF Cable Type	GPS		LSR100

Part Number Key

Part number example for a 13:1 Pitbull antenna: PRO13PB8L4WD

<i>Description</i>	<i>Abbreviation</i>	<i>Part Number</i>
All PRO Series	PRO	PRO
Number of Antenna in Housing/Configuration	13:1	PRO13
Antenna Abbreviation for Pitbull	PB	PRO13PB
Number of Cellular Elements	#L	PRO13PB8L
Number of Wi-Fi Elements	#W	PRO13PB8L4W
GPS Element: G = L1 GPS, D = L1/L5 Dual Band GPS	G or D	PRO13PB8L4WD
Optional -L Version - Includes the options listed	-L	PRO13PB8L4WD-L
Optional -G2B Version - Includes the options listed	-G2B	PRO13PB8L4WD-G2B
For more customizations, please contact us for more information at sales@parsec-t.com . MOQ Applicable.		

Ordering Guide

Maximum Configurations

<i>Config.</i>	<i>Part Number</i>	<i>Description</i>
13:1	PRO13PB8L4WD-G2B	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, Grey Case with Cellular Antenna Built into Lid, Wi-Fi Antenna in Base, with Omnicharge Ultimate+ Battery (see antenna options)
	PRO13PB8L4WD-L	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, Grey Case with Cellular Antenna Built into Lid, Wi-Fi Antenna in Base, with Accessory Tray (see antenna options)

Antenna Options

<i>Description</i>	<i>PRO9PB4L4WG</i>	<i>-G2B Version</i>	<i>-L Version</i>
Antenna	Yes	Yes	Yes
Fan	No	Yes - Qty.4	Yes - Qty. 4
Vent	No	Yes - Qty. 2	Yes - Qty. 2
AC Adapter	No	Yes	Yes
AC Adapter	No	Yes	No
USB-C Connector	No	Yes - Qty.4	Yes - Qty.4
RJ-45 Connector	No	Yes	Yes
Router Mount Plate	No	Yes	Yes
Top Cover Plate	No	Yes	No
Omnicharge Ultimate Battery Tray	No	Yes	No
Omnicharge Ultimate+ Custom Battery	No	No	Yes
Accessory Tray	No	Yes	No
Automatic Transfer Switch Kickstand Assembly	No	Yes	Yes

Hardware Accessories

<i>Accessories</i>	<i>Part Number</i>
RJ-45 Adapter	PTA0920
USB-A Panel Mount	PTA0921
USB-C Panel Mount	PTA0633
AC Adapter with 16" Cord Kit	PTA0771
Pitbull G2B Battery: OmniCharge Ultimate+ Custom Battery	PTA1182
OmniCharge 65W Charger	PTA0746
USB-C (M) to USB-C (M) Cable, 1.5 FT	PTA1170
Kickstand Assembly	PTA1296
SMA Wrench, Key Chain	PTA0194
Service: Router Installation	PTA-Install-150
<i>Interchangeable Accessories</i>	
Pitbull G2B: Battery Tray for OmniCharge Ultimate+ Custom Battery	PTA0832
Pitbull L: Accessory Tray	PTA0842
<i>Replacement Parts</i>	
Cover Plate Screw Kit	PTA1224
40mm Fan Replacement Kit (Includes screws and nuts)	PTA1222
40mm Vent and Cap Kit	PTA1223
<i>Service Level Agreement</i>	
Bronze Tier SLA	PTA-PB-Bronze
Silver Tier SLA	PTA-PB-Silver
Gold Tier SLA	PTA-PB-Gold
Platinum Tier SLA	PTA-PB-Platinum