



The First All-IN-One **Starlink** and Cellular Router Case for 5G as Primary or Failover.

- Connectivity All-in-One Case
- Anywhere and Any Condition

CASE CLOSED.

*Custom-designed for Starlink Mini *

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.

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, IP67-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.

Patent Pending



1st to
5G



Configurations 7:1 | 8:1 | 9:1 | 11:1 | 12:1 | 13:1

Emergency Communications | Dual Network | Remote Connectivity

All-in-One Packaged Solution

Star Link Mini and 5G Cellular Router

Long Battery Life

Custom Swappable Battery Tray

Compact Form Factor

Carry-On for Luggage

- UP TO 2 SETS OF 4X4 MIMO CELLULAR
- UP TO 4X4 MIMO Wi-Fi
- 5G OMNI-DIRECTIONAL ANTENNA
- OPTIONAL GNSS
- 22 inch X 14 inch X 9 inch
- HIGH ISOLATION AND BUILT-IN GROUND PLANE

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
		GPS	1575.42 MHz
4G/5G Bands			
North America	B2, B4, B5, B7, B12, 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		
Mechanical		Environmental	
Dimensions	22 inch X 14 inch X 9 inch	Operating Temperature	-40 °C to 85°C OR
Radome Material	Plastic with UV Additive	Ingress Protection	Indoor
Connectors	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)	RF Cable Length	30 inch pigtails
Max Router Configurations		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 a different temperature range.			

Product Images



Figure 1: Pitbull

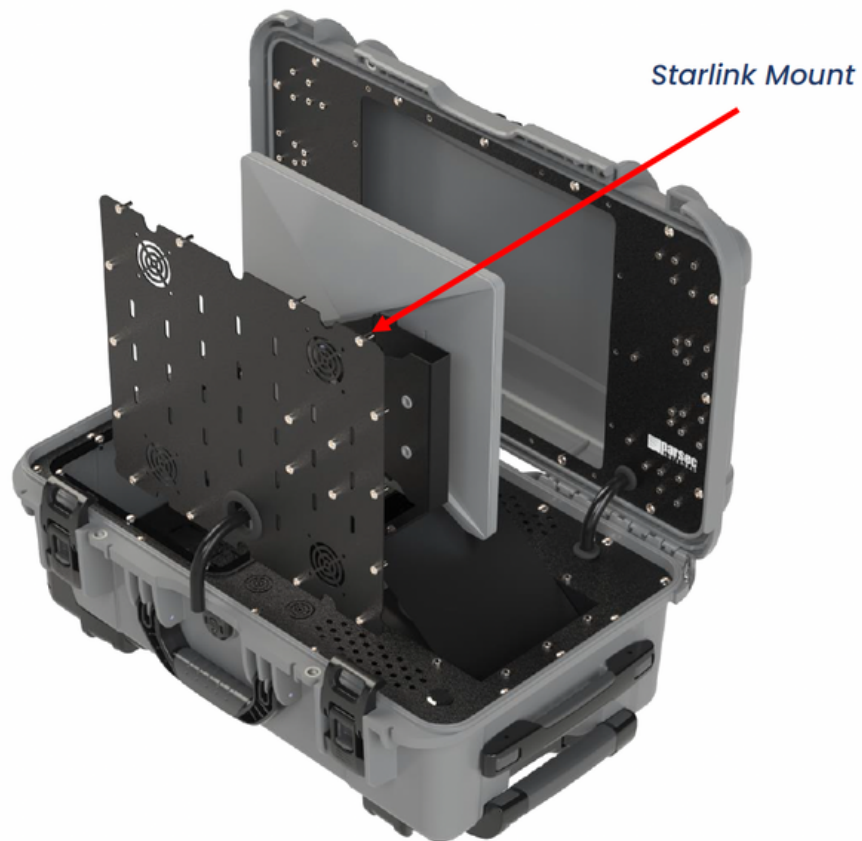
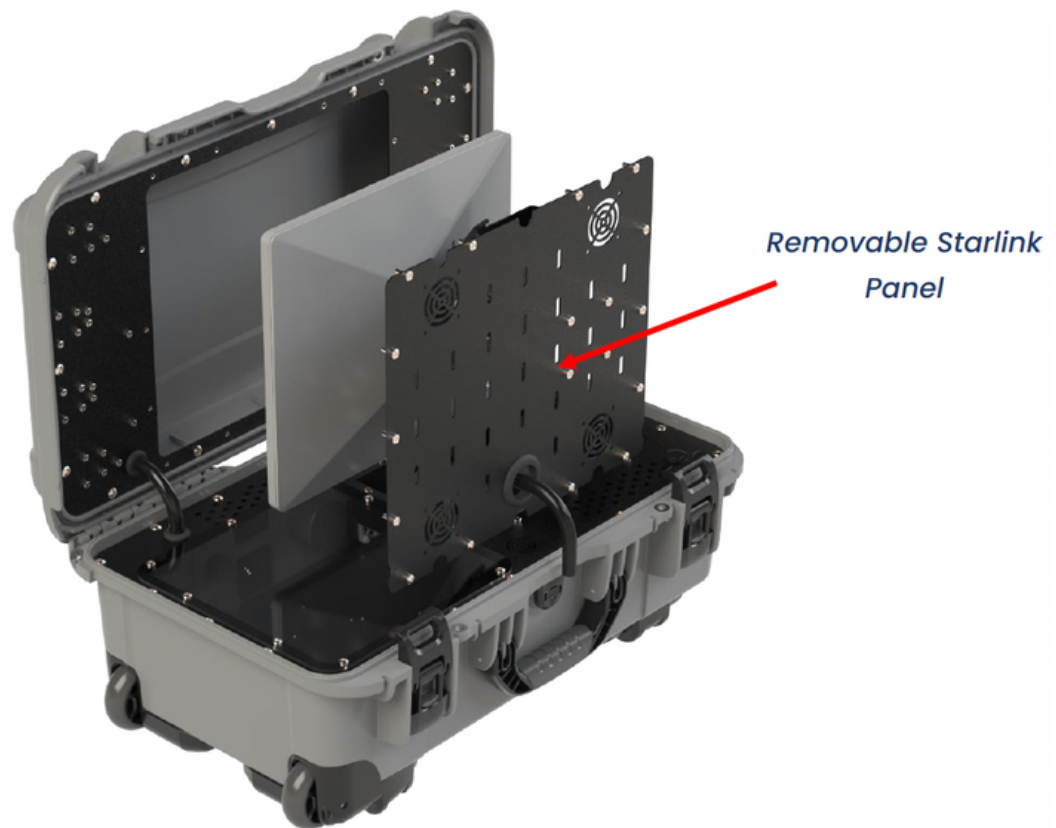


Figure 2: Pitbull Starlink Mount

Electrical Specification: 4 CELL, 4 Wi-Fi Configuration

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1 thru 4	617 – 777 MHz	60
	CELL 1 thru 4	777 – 817 MHz	65
	CELL 1 thru 4	817 – 894 MHz	70
	CELL 1 thru 4	1710 – 2700 MHz	85
	CELL 1 thru 4	3400 – 3700 MHz	70
	CELL 1 thru 4	3700 – 4000 MHz	80
	CELL 1 thru 4	5150 – 5925 MHz	70
	Wi-Fi 1 thru 4	2400 – 2483 MHz	80
	Wi-Fi 1 thru 4	4900 – 5900 MHz	75
Peak Gain (dBi)	CELL 1 thru 4	617 – 777 MHz	3.5
	CELL 1 thru 4	777 – 894 MHz	4
	CELL 1 thru 4	1710 – 2700 MHz	6.5
	CELL 1 thru 4	3400 – 4000 MHz	6
	CELL 1 thru 4	5150 – 5925 MHz	7
	Wi-Fi 1 thru 4	2400 – 2483 MHz	4.5
	Wi-Fi 1 thru 4	2900 – 5900 MHz	6
Return Loss 50Ω (dB)	CELL 1 thru 4	617 – 663 MHz	5
	CELL 1 thru 4	663 – 746 MHz	7
	CELL 1 thru 4	746 – 894 MHz	9
	CELL 1 thru 4	1710 – 2700 MHz	12
	CELL 1 thru 4	3400 – 3700 MHz	10
	CELL 1 thru 4	3700 – 4000 MHz	7
	CELL 1 thru 4	5150 – 5925 MHz	8
	Wi-Fi 1 thru 4	2400 – 2483 MHz	10
	Wi-Fi 1 thru 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 – 4000 MHz	32
	Wi-Fi	2400 – 2483 MHz	15
	Wi-Fi	4900 – 5900 MHz	30
Polarization (dBi)	CELL, Wi-Fi		Linear
RF Connectors	CELL		SMA(M)
	Wi-Fi		RPSMA (M)
RF Cable Type	CELL, Wi-Fi		RG-316

- Isolation, return loss, and peak gain include cable loss from ?? inch cables supplied.
 - SMA connectors have a max torque of 3-5 in-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

Electrical Specifications: 8 CELL, 4 Wi-Fi Configuration

ID & Unit	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 thru 4	2400 – 2483.5 MHz	80
	Wi-Fi 1 thru 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
	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 thru 4	2400 – 2483.5 MHz	5
	Wi-Fi 1 thru 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 thru 4	2400 – 2483.5 MHz	12
	Wi-Fi 1 thru 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 thru 4	2400 – 2483.5	25
	Wi-Fi thru 4	4900 – 5900 MHz	35
Polarization (dBi)	CELL, Wi-Fi		Linear
RF Connectors	CELL		SMA(M)
	Wi-Fi		RPSMA (M)
RF Cable Type	CELL, Wi-Fi		RG-316
- Isolation, return loss, and peak gain include cable loss from 30 inch cables supplied. - CELL MIMO 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 in-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 Emergency Hot Spot			

GNSS Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Antenna + Preamp Gain (dBic)	GPS	1570-1581 MHz	33
Polarization	GPS		RHCP
Filter Rejection (dB)	GPS	1625 MHz	12
GNSS Preamp Voltage (mA)	GPS		2.2 to 5
GNSS Preamp Current (mA)	GPS		5 to 15
RF Connector	GPS		SMA(M)
RF Cable Type	GPS		LSR100

Ordering Guide

Maximum Configurations

Config.	Part Number	Description
7:1	PRO7PB4L2WG-G2B	4 Cellular, 2 Wi-Fi, GPS, Grey Case with Antenna Built into Lid, Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO7PB4L2WG-L	4 Cellular, 2 Wi-Fi, GPS, Grey Case with Antenna Built into Lid
8:1	PRO8PB4L2WBG-G2B	4 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into Lid, Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO8PB4L2WBG-L	4 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into Lid
9:1	PRO9PB8LG-L	8 Cellular, GPS, Grey Case with Antenna Built into Lid
	PRO9PB8LG-G2B	8 Cellular, GPS, Grey Case with Antenna Built into Lid, Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO9PB4L4WG	4 Cellular, 4 Wi-Fi, GPS, Grey Case with Antenna Built into Lid
	PRO9PB4L4WG-G2B	4 Cellular, 4 Wi-Fi, GPS, Grey Case with Antenna Built into Lid with Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
11:1	PRO11PB8L2WG-G2B	8 Cellular, 2 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid, Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO11PB8L2WG-L	8 Cellular, 2 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid
12:1	PRO12PB8L2WBG-G2B	8 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into the Lid, Omnicharge Ultimate Battery, 100w Charger Included (see antenna options for description)
	PRO12PB8L2WBG-L	8 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey Case with Antenna Built into the Lid

13:1	PRO13PB8L4WG-G2B	8 Cellular, 4 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid, Omnicharge Ultimate Battery, 100w Charger (see antenna options for description)
	PRO13PB8L4WG-L	8 Cellular, 4 Wi-Fi, GPS, Grey Case with Antenna Built into the Lid

Part Number Key

Part number example for a 9:1 Pitbull antenna: **PROPB4L4WG-G2B**

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	9:1	PRO9
Antenna Abbreviation for Boxer	PB	PRO9PB
Number of Cellular Elements	#L	PRO9PB4L
Number of Wi-Fi Elements	#W	PRO9PB4L4W
Number of GPS Elements	G	PRO9PB4L4WG
Optional G2B Version - Includes the options listed	-G2B	PRO9PB4L4WG-G2B
For more customizations, please contact us for more information at sales@parsec-t.com . MOQ Applicable.		

Antenna Options

Description	PRO9PB4L4WG	-G2B Version	-L Version
Antenna	YES	YES	YES
Fan and Vent	NO	YES – Qty.2	YES – Qty.2
AC Adapter	NO	YES	YES
RJ-45 Connector	NO	YES – Qty.4	YES – Qty.4
Router Mount Plate	NO	YES	YES
Top Cover Plate	NO	YES	YES
Omnicharge Ultimate Battery	NO	YES	NO
Omnicharge Ultimate Battery Tray	NO	YES	NO
Accessory Tray	NO	NO	YES

Additional Hardware Accessories

<i>Accessories</i>	<i>Part Number</i>
RJ-45 Adapter	PTA0920
USB-A Panel Mount	PTA0921
AC Adapter with 16" Cord Kit	PTA0771
Pitbull G2 Battery: OmniCharge Ultimate+ Custom Battery	PTA1182
100w Charger	PTA1221
SMA Wrench, Key Chain	PTA0194
Service: Router Installation	PTA-Install-250
<i>Interchangeable Accessories</i>	
Pitbull G2: Battery Tray for OmniCharge Ultimate+	PTA0832
Battery Tray for OmniCharge 20C+	PTA0971
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



Parsec Antennas
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