



The St. Bernard PRO series Mobile Hot Spot Case is a 5G rugged case antenna that features 4X4 MIMO cellular, 4X4 Wi-Fi, and optional GPS that is omni-directional. The St. Bernard is designed to be ready to go for immediate hot spots and coverage that can withstand a critical environment due to its rugged impact resistant housing.

This IP67 rated antenna is designed to provide reliable signal strength and reception, while also being portable and efficient enough to fit inside the case's compact form factor.

**Patented**



### Configurations 9:1

Video Streaming | On the Go Wireless | Mobile Communications Hotspot

#### ***Reliable Connectivity***

High Efficiency & High Gain

#### ***High Data Speeds***

Ideal for Remote Video Streaming

#### ***Durable***

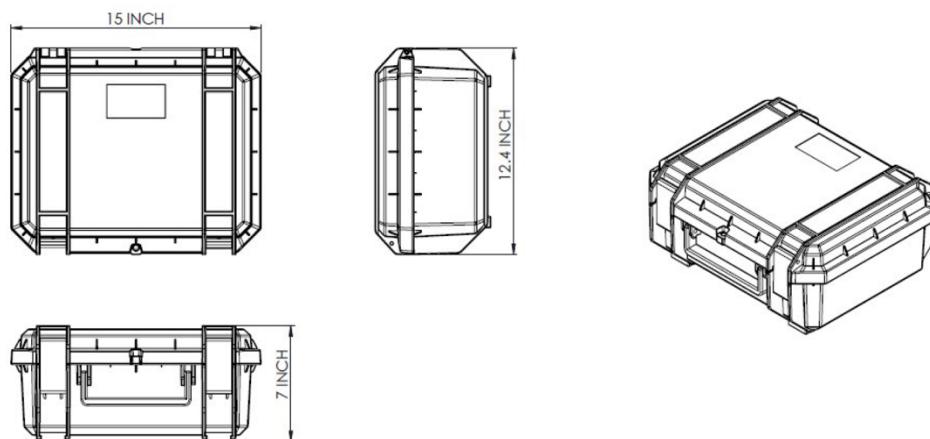
IP67 Rated for Waterproofing

- 4X4 MIMO CELLULAR
- 4X4 MIMO WI-FI
- OMNI-DIRECTIONAL
- 600-6000 MHz
- GPS/GNSS
- 15 inch x 12.4 inch x 7 inch
- WI-FI 6 COMPATIBLE

# Specifications

| Frequencies   |  |                       |   |
|---|--|-----------------------|---|
| 4G/5G Cellular  | 698-960 MHz<br>1710-2700 MHz<br>3400-4000 MHz<br>5150-5925 MHz   | Wi-Fi                 | 2400-2483.5 MHz<br>4900-5900 MHz  |
| 4G/5G Bands   |  |                       |   |
| North America   | B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66<br>n2, n5, n12, n25, n26, n41, n48, n66, n71, n77 |                       |   |
| EMEA  | B1, B3, B7, B8, B20, B28, B42, B43, B46<br>n1, n3, n28, n77, n78   |                       |   |
| Mechanical  |  | Environmental         |   |
| Dimensions  | 15 inch X 12.4 inch X 7 inch   | Operating Temperature | -30 °C to 85°C OR<br>-22 °F to 180°F  |
| Internal Dimensions   | 13.6 in X 9.9 in X 6.1 in  | Ingress Protection    | IP67 for -A Version<br>*when closed.<br>IP54 for -G &-L Version<br>*when all ports and lid are closed |
| Lock Hole Diameter  | 0.35 inch  |                       |   |
| RF Cable Length   | 15 inch Pigtails   | Max Router Dimensions | 8.8" x 7.5" x 1.7"<br>4 Cellular, 4 Wi-Fi, GPS  |
| Router Pairings   | Cradlepoint IBR1700<br><br>Peplink MAX Transit Duo   |                       |   |
| <ul style="list-style-type: none"> <li>Temperature range is for antenna only. Equipment installed inside the enclosure may have a different temperature range.</li> <li>*Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed.</li> </ul> |  |                       |   |

## Dimensions



## Product Images



## Electrical Specifications

| <b>ID &amp; Unit</b>           | <b>Port</b>    | <b>Parameters</b> | <b>Typ.</b> |
|--------------------------------|----------------|-------------------|-------------|
| <b>Radiated Efficiency (%)</b> | CELL 1 thru 4  | 617-894 MHz       | 70          |
|                                | CELL 1 thru 4  | 698-984 MHz       | 85          |
|                                | CELL 1 thru 4  | 1710-2200 MHz     | 85          |
|                                | CELL 1 thru 4  | 2200-2700 MHz     | 70          |
|                                | CELL 1 thru 4  | 3400-4000 MHz     | 50          |
|                                | CELL 1 thru 4  | 5150-5925 MHz     | 40          |
|                                | GPS            | 1575.42 MHz       | 80          |
|                                | Wi-Fi 1 thru 4 | 2400-2483.5 MHz   | 80          |
|                                | Wi-Fi 1 thru 4 | 4900-5900 MHz     | 70          |

|   |                    |                 |                    |
|---|--------------------|-----------------|--------------------|
| <b>Peak Gain (dBi)</b>  | CELL 1 thru 4      | 617-894 MHz     | 2                  |
|   | CELL 1 thru 4      | 698-984 MHz     | 5                  |
|   | CELL 1 thru 4      | 1710-2200 MHz   | 5                  |
|   | CELL 1 thru 4      | 2200-2700 MHz   | 5                  |
|   | CELL 1 thru 4      | 3400-4000 MHz   | 4                  |
|   | CELL 1 thru 4      | 5150-5925 MHz   | 6                  |
|   | GPS                | 1575.42 MHz     | 6                  |
|   | Wi-Fi 1 thru 4     | 2400-2483.5 MHz | 4                  |
|   | Wi-Fi 1 thru 4     | 4900-5900 MHz   | 6                  |
|   |                    |                 |                    |
| <b>Return Loss 50Ω (dB)</b>   | CELL 1 thru 4      | 617-894 MHz     | 7.5                |
|   | CELL 1 thru 4      | 698-984 MHz     | 9                  |
|   | CELL 1 thru 4      | 1710-2200 MHz   | 11                 |
|   | CELL 1 thru 4      | 2200-2700 MHz   | 7                  |
|   | CELL 1 thru 4      | 3400-4000 MHz   | 8                  |
|   | CELL 1 thru 4      | 5150-5925 MHz   | 8                  |
|   | GPS                | 1575.42 MHz     | 12                 |
|   | Wi-Fi 1 thru 4     | 2400-2483.5 MHz | 14                 |
|   | Wi-Fi 1 thru 4     | 4900-5900 MHz   | 10                 |
|   |                    |                 |                    |
| <b>Isolation (dB)</b>   | CELL               | 698-960 MHz     | 12                 |
|   | CELL               | 1710-2700 MHz   | 20                 |
|   | CELL               | 3400-4000 MHz   | 25                 |
|   | CELL               | 5150-5925 MHz   | 35                 |
|   | Wi-Fi              | 2400-2483.5 MHz | 19                 |
|   | Wi-Fi              | 4900-5900 MHz   | 25                 |
| <b>Polarization (dBi)</b>   | CELL, Wi-Fi<br>GPS |                 | Linear<br>RHCP     |
| <b>Max Input Power (Watts)</b>  | CELL, Wi-Fi        |                 | 10                 |
| <b>GNSS Preamp Gain (dB)</b>  | GPS                |                 | 28                 |
| <b>GNSS Preamp Voltage (V)</b>  | GPS                |                 | 2.2 to 5.0         |
| <b>RF Connectors</b>  | CELL, GPS<br>Wi-Fi |                 | SMA(M)<br>RPSMA(M) |
| <b>RF Cable Type</b>  | CELL, Wi-Fi<br>GPS |                 | RG-316<br>LSR100   |
| <ul style="list-style-type: none"> <li>Electrical specifications based on antenna mounted in the lid of the plastic enclosure.</li> <li>Isolation and return loss include cable loss from 1.5 ft long cables supplied.</li> <li>Antenna patterns, peak gain, and efficiency do not include cable loss.</li> </ul> <p><b>*Battery, router, and SIM Card are not included.</b> 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.</p> <p><b>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.</b></p> |                    |                 |                    |

## Part Number Key

Part number example of a 9:1 St. Bernard antenna: PRO9SB4L4WG

| Description   | Abbreviation | Part Number   |
|---|--------------|---------------|
| All PRO Series  | PRO          | PRO           |
| Number of Antennas in Housing/Configuration   | 9:1          | PRO9          |
| Antenna Abbreviation for St. Bernard  | SB           | PRO9SB        |
| Number of CELL Elements   | #L           | PRO9SB4L      |
| Number of Wi-Fi Elements  | #W           | PRO9SB4L4W    |
| Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number) | G            | PRO9SB4L4WG   |
| Optional G version – Includes the options listed  | -G           | PRO9SB4L4WG-G |
| Optional L version – Includes the options listed  | -L           | PRO9SB4L4WG-L |
| Optional A version – Includes the options listed  | -A           | PRO9SB4L4WG-A |

## Ordering

| Configs. | Part Number   | Description  |
|----------|---------------|--|
| 9:1      | PRO9SB4L4WG   | 4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid  |
|          | PRO9SB4L4WG-G | 4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with ChargeTech Battery Option ( <b>battery not included</b> ) (see antenna options for description) |
|          | PRO9SB4L4WG-L | 4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with AC Adapter (see antenna options for description)  |
|          | PRO9SB4L4WG-A | 4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with AC Adapter (see antenna options for description)  |

## Antenna Options

| Description  | PRO9SB4L4WG | -G Version | -L Version | -A Version |
|--|-------------|------------|------------|------------|
| Antenna  | YES         | YES        | YES        | YES        |
| Fan  | NO          | YES        | NO         | NO         |
| AC Adapter   | NO          | NO         | YES        | YES        |
| Barrel Connector   | NO          | YES        | NO         | NO         |
| 1x USB Adapter   | NO          | YES        | NO         | NO         |
| 4x RJ-45 Connectors  | NO          | YES        | YES        | NO         |
| Top Cover  | NO          | YES        | YES        | YES        |
| Battery Tray   | NO          | YES        | NO         | NO         |
| Battery: ChargeTech 54K Dual AC Battery Pack– Portable Power Supply (Not Included with Antenna. Must Be Purchased Separately.)         |             |            |            |            |
| For more information, see our installation instructions at <a href="http://Parsec-t.com">Parsec-t.com</a> for St. Bernard Case Series. |             |            |            |            |

## Additional Hardware Accessories

| Accessory   | Part Number     |
|---|-----------------|
| RJ-45 Adapter                                       | PTA0415         |
| RJ-45 Adapter, 1.25" Diameter                       | PTA0415-2       |
| USB-A Panel Mount                                   | PTA0448         |
| HDMI Port   | PTA0683         |
| DC Barrel   | PTA0447B        |
| AC Adapter with 16" Cord Kit                        | PTA0771         |
| Screws  | PTA0071B        |
| Panel Mount DC5521 Jack to DC5521 Plug, 2 FT        | PTA0792         |
| 40mm Fan Replacement Kit (Includes screws and nuts) | PTA0764         |
| 40mm Vent and Cap Kit                               | PTA0477         |
| SMA Wrench, Key Chain                               | PTA0194         |
| Service: Router Installation                        | PTA-Install-150 |



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