



# Boxer Pro Series

Compact, Portable, High Performance Case  
for Primary or Failover



# Boxer Pro Series



Connectivity You Can Carry. Reliability You Can Trust.



**Antenna built seamlessly into Case Lid**

The Boxer PRO Series is the latest **high-performance 4x4 MIMO cellular, Up to 4x4 MIMO Wi-Fi, 5G Omni-Directional case, featuring up to a 9:1 antenna configuration.**

Engineered for maximum mobility, it delivers an on-the-go network solution and acts as a reliable emergency mobile hotspot. This compact device supports C-band frequencies and is the most powerful portable system to date.

## Compact, Portable, and High-Performance Design Connectivity Game-Changer

With a streamlined design, this device is the most compact, high-performing mobile network solution, measuring **13 in × 9.25 in × 5.12 in**—small enough to fit in a backpack or airplane carry-on. Built as a durable, shock-resistant case, it delivers reliable performance in the field while maintaining strong 5G connectivity.



Connectivity You Can Carry. Reliability You Can Trust.

## Built for Any Mission, Ready When You Are Instant Network Access, Wherever You Go

Engineered for demanding environments, the device uses shock-absorbing materials and impact-resistant resin to maintain performance during heavy field use. Its rugged build ensures dependable connectivity when reliability is critical.

### PARSEC'S PATENTED ANTENNA TECHNOLOGY WITH EXTENDED RANGE UP TO 15+ MILES FOR 5G!

**IP54 weatherproof**  
when all ports and lid  
are closed and **IP67  
weather resistant** when  
lid is closed.

*Battery Tray*



*Fan and Vent*



*USB Adapter*

- Long-lasting 12–18 hour battery life
- High isolation and built-in ground plane
- Rugged, high-efficiency, high-gain antenna
- Full 600 MHz–6 GHz coverage

# Made to Support Your Every Move.

## Applications



First Responders



Police & Fire



Government Buildings



Healthcare Facilities



Remote Sites



Primary & Failover Network

## Why Choose the Boxer

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



## Specification Overview

PRO Boxer Series		
<b>Applications:</b>	Emergency Communication, Backup Mobile Command Center	
<b>Configurations:</b>	9:1 – 4 CELL, 4 Wi-Fi, GPS 7:1 – 4 CELL, 2 Wi-Fi, GPS 5:1 – 2 CELL, 2 Wi-Fi, GPS	
<b>Categories:</b>	Enterprise, Mobile, Public Safety, 5G	
<b>Antennas Included:</b>	Cellular, Wi-Fi, Bluetooth and GPS	
<b>Type:</b>	Case/Enclosure	
<b>Antenna Pattern:</b>	Omni-Directional	
<b>Available Colors:</b>	Black	
<b>Cable Type:</b>	SMA(M) , RP-SMA(M)	
<b>Cable Type:</b>	Cellular	RG-316
	Wi-Fi	RG-316
	GPS	LSR100
<b>Standard Cable Length:</b>	13 IN Pigtails	
<b>Standard Connector options:</b>	Cellular	SMA(M)
	Wi-Fi	RP-SMA(M)
	GPS	SMA(M)

## Specifications

<b>Frequencies</b>			
<b>4G/5G Cellular</b>	617-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	<b>Wi-Fi</b>	2400-2483.5 MHz 4900-5900 MHz
		<b>GPS</b>	1575.42 MHz
<b>4G/5G Bands</b>			
<b>North America</b>		B2, B4, B5, B7, B12, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66, B71n2, n5, n12, n25, n26, n41, n48, n66, n71, n77	
<b>EMEA</b>		B1, B3, B7, B20, B28, B42, B43, B46n1, n3, n28, n77, n78	
<b>Hardware</b>			
<b>Dimensions</b>	13 inch length 9.25 inch height 5.12 inch width	<b>Operating Temperature</b>	-30°C to 85°C OR -22°F to 180°F
<b>Power</b>	110-120 Volt AC (60 Hz)	<b>Ingress Protection</b>	IP54 for -G2 & L Version *when all ports and lid are closed
<b>Battery (not included)</b>	Omnicharge 30C+ Custom Battery, OP3CPA01 (-G2, -G2B, R9, R9B, XR, XRB Versions)	<b>Radome Material</b>	Plastic
<b>Battery (included)</b>	Omnicharge 30C+ OP3CPA01 Custom Battery, (-G2, R9, XR Versions)	<b>Connectors</b>	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)
<b>Connectors</b>	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)	<b>RF Cable Length</b>	13 inch pigtails

<b>Router Options (G2 &amp; G2B)</b>	Ericsson S700 Ericsson IBR900 Ericsson IBR600 Ericsson R500 Peplink MAX Transit Duo Peplink MAX BR1 Pro 5G Peplink MAX BR1 Mini 5G	<b>Max Router Configuration</b>	4 Cellular, 4 Wi-Fi, GPS
<b>Router Options (R9 &amp; R9B)</b>	Ericsson R920 Ericsson R980	<b>Max Router Dimensions</b>	5.8" X 5.1" X 1.15"
<b>Router Options (XR &amp; XRB)</b>	Sierra Wireless XR60		
<ul style="list-style-type: none"> <li>• For customizations, such as Connector Type, Cable Length, Color, Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com.</li> <li>• For different router configurations, reach out to Parsec for more information.</li> <li>• Temperature range is for antenna only. Equipment installed inside the enclosure may have a different temperature range.</li> </ul> <p>*Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed.</p>			

## Part Number Key & Ordering Guide

<i>Part Number Key (Part number example for a 9:1 Boxer antenna: PRO9BX4L4WG)</i>		
<i>Description</i>	<i>Abbreviation</i>	<i>Part Number</i>
<b>All PRO Series</b>	PRO	PRO
<b>Number of Antenna in Housing/Configuration</b>	9:1	PRO9
<b>Antenna Abbreviation for Boxer</b>	BX	PRO9BX
<b>Number of Cellular Elements</b>	#L	PRO9BX4L
<b>Number of Wi-Fi Elements</b>	#W	PRO9BX4L4W
<b>Number of GPS Elements</b>	G	PRO9BX4L4WG
<b>Optional G2 Version - Includes the options listed</b>	-G2	PRO9BX4L4WG-G2
<b>Optional L Version - Includes the options listed</b>	-L	PRO9BX4L4WG-L
For customizations, such as Connector Type, Cable Length, Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com.		

## Electrical Specifications

<i>ID</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
<b>Radiated Efficiency (%)</b>	CELL 1 thru 4	617-698 MHz	70
	CELL 1 thru 4	698-894 MHz	75
	CELL 1 thru 4	1710-2200 MHz	85
	CELL 1 thru 4	2200-2700 MHz	80
	CELL 1 thru 4	3400-4000 MHz	70
	CELL 1 thru 4	5150-5925 MHz	85
	Wi-Fi 1 thru 4	2400-2483.5 MHz	80
	Wi-Fi 1 thru 4	4900-5900 MHz	85
<b>Peak Gain (dBi)</b>	CELL 1 thru 4	617-698 MHz	2.5
	CELL 1 thru 4	698-894 MHz	3.5
	CELL 1 thru 4	1710-2200 MHz	6
	CELL 1 thru 4	2200-2700 MHz	5
	CELL 1 thru 4	3400-4000 MHz	5
	CELL 1 thru 4	5150-5925 MHz	8
	Wi-Fi 1 thru 4	2400-2483.5 MHz	5
	Wi-Fi 1 thru 4	4900-5900 MHz	7
<b>Return Loss 50 Ω (dB)</b>	CELL 1 thru 4	617-849 MHz	8.5
	CELL 1 thru 4	849-894 MHz	12
	CELL 1 thru 4	1710-2700 MHz	11
	CELL 1 thru 4	3400-4000 MHz	12
	CELL 1 thru 4	5150-5925 MHz	7
	Wi-Fi 1 thru 4	2400-2483.5 MHz	9.5
	Wi-Fi 1 thru 4	4900-5900 MHz	8
			12
<b>Isolation (dB)</b>	CELL	617-698 MHz	7
	CELL	698-894 MHz	8
	CELL	1710-2200 MHz	18
	CELL	2200-2700 MHz	20
	CELL	3400-4000 MHz	22
	CELL	5150-5925 MHz	27
	Wi-Fi	2400-2483.5 MHz	15
	Wi-Fi	4900-5900 MHz	22
<b>Polarization (dBi)</b>	CELL, Wi-Fi		Linear
<b>Max Input Power (Watts)</b>	CELL, Wi-Fi		5
<b>RF Connectors</b>	CELL Wi-Fi		SMA(M) RP-SMA(M)
<b>RF Cable Type</b>	CELL, Wi-Fi, GPS		RG-316 LSR100

- Isolation, return loss, and peak gain do not include cable loss from 13 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.
- **\*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.

## GNSS Electrical Specifications

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

<i>Description</i>	<i>PRO9BX4L4WG</i>	<i>-G2/-G2B, -R9/- R9B, -XR/-XRB Versions</i>	<i>-L Version</i>
Antenna	Yes	Yes	Yes
Fan and Vent	No	Yes	Qty. 2 Vent/No Fan
Barrel Connector	No	No	Yes
USB-C Connector	No	Yes	No
2x RJ-45 Connectors	No	Yes	Yes
Router Mount Plate	No	Yes	Yes
Top Cover	No	Yes	Yes
30C+ Battery Tray	No	Yes	No
Battery: -G2 Version: OmniCharge 30C+ Battery Pack (Batteries are not included with the Antenna and must be purchased separately.) Battery and charger are included with the -G2B, -R9B, and -XRB Versions. For more information, see our Installation Instructions at <a href="http://Parsec-t.com">Parsec-t.com</a> for Boxer Case Series.			

## Maximum Configurations

<i>Configurations</i>	<i>Part Number</i>	<i>Description</i>
<b>9:1</b>	PRO9BX4L4WG	4 Cellular, 4 Wi-Fi, GPS, Black Case with Antenna Build into Lid
	PRO9BX4L4WG-L	4 Cellular, 4 Wi-Fi, GPS, Black Case with Antenna Build into Lid with DC Connector (see antenna options for description)
	PRO9BX4L4WG-G2	4 Cellular, 4 Wi-Fi, GPS, Black Case with Antenna Build into Lid with 30K Battery Needed (see antenna options for description)
	PRO9BX4L4WG-G2B	4 Cellular, 4 Wi-Fi, GPS, Black Case with Antenna Build into Lid with 30K Battery (see antenna options for description)

## Hardware Accessories

<i>Accessories</i>	<i>Part Number</i>
<b>Pole Mount Bracket</b>	PTA0638
<b>Customizable Pole Mount Bracket</b>	PTA0640
<b>Roof Mount Bracket Assembly with L Bracket</b>	PTA0641

Magnetic Boot Mount (Black)	PTA1288
1.5" - 6" Shaft Extender	PTA0635C
Ground Plane with Adhesive Back, 20 in x 20 in, Can Be Cut to Sie	PTA0587
Lightning Arrestor - SMA(F) to SMA(F)	PTA0476
Lightning Arrestor - N(F) to N(M)	PTA0736
SMA Wrench, Key Chain	PTA0194
Service: Cable Sleeving (Priced Per Ft)	Cable Sleeving
<b>Replacement Parts</b>	
Replacement Rooftop Gasket Kit	PTA1287
Hardware Kit for 1.5" Shaft - Nut/Washer	PTA0761
1.5" Star Washer	PTA0257