BOXER

PRO Series Portable Case Antenna

parsec ANTENNAS

The Boxer PRO Series is our newest, most portable high performance 4X4 MIMO cellular 5G case with up to 9:1 antenna configuration. Designed to provide an on-the-go network as an emergency mobile hot spot as our most compact solution with our highest performance to date including C-band frequencies. Small enough to fit in a backpack or carry-on an airplane while still providing full use of the 5G 600 MHz to 6 GHz spectrum for first responders, critical communications, surveillance, covert operations, and more.

The Boxer case uses shock absorption and impact resistant resin to reduce damage and loss of performance due to hard use. Customizable special features make the Boxer one of our most versatile cases for high profile network solutions. Connect almost anytime, anywhere with Parsec antennas.

Patent Pending

TAA Compliant | 1st to 5G | 100% TESTED parsec ANTENNAS MADE IN AMERICA

Configurations 7:1 | 8:1 | 9:1

Emergency Communications | Primary & Failover | Remote Video Monitoring

Latest Antenna Technology
Highest 5G Performance

Most Portable Case
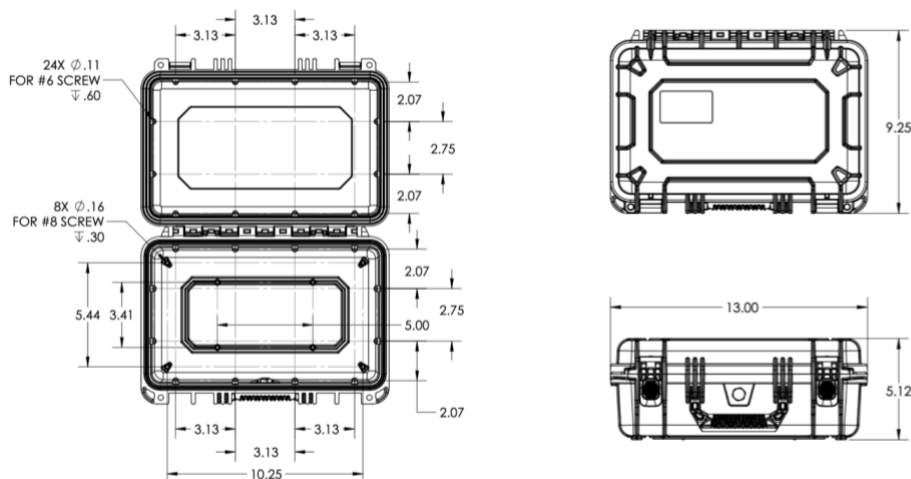Fit for a Backpack or Carry-On

High Data Speeds
High Efficiency for Streaming

- 4X4 MIMO CELLULAR
- 4X4 MIMO Wi-Fi
- OMNI-DIRECTIONAL
- GPS
- 600 MHz - 6 GHz
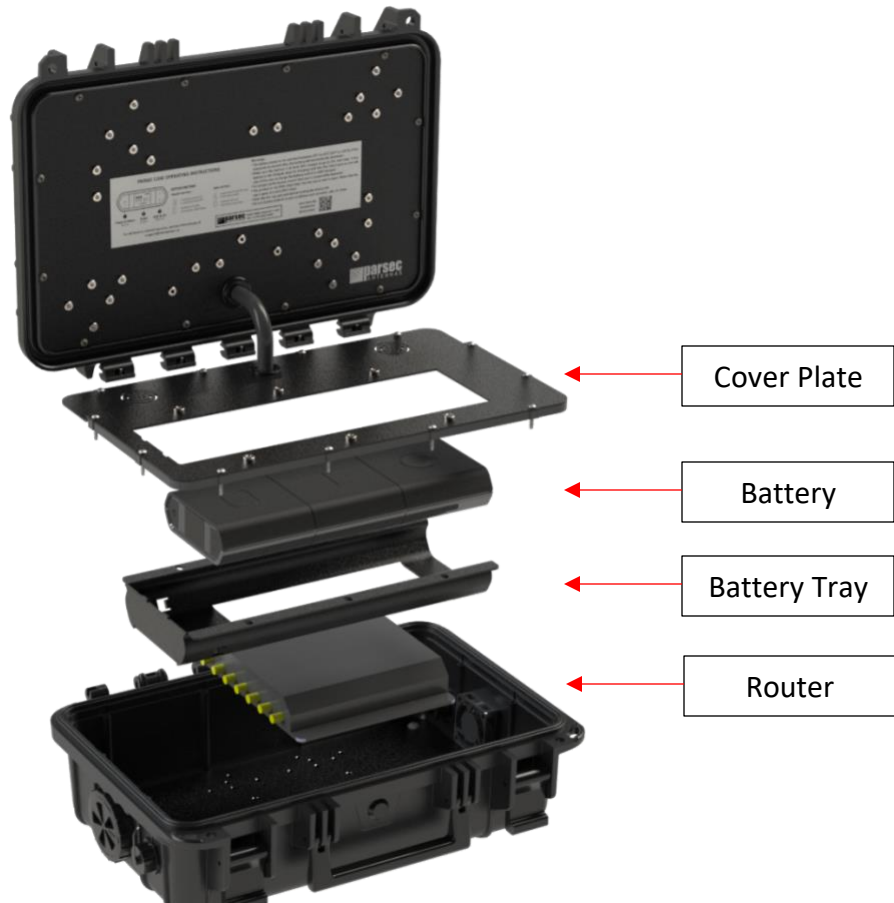- 13 inch X 9.25 inch X 5.12 inch
- Wi-Fi 6 COMPATIBLE

sales@parsec-t.com   www.parsec-t.com   972-804-4600

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

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

Mechanical		Environmental	
Dimensions	13 inch X 9.25 inch X 5.12 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
RF Cable Length	13 inch Pigtails	Ingress Protection	IP54 for -G2 and L Version *when all ports and lid are closed
Power	120 Volt AC	Battery (not included)	Omnicharge 30C+ Battery (-G2 Version)
Max Router Configuration	4 Cellular, 4 Wi-Fi, GPS	Max Router Dimensions	5.8" X 5.1" X 1.15"

- Custom colors available, reach out to Parsec for more information.
- 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.
- *Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed.

Dimensions

Product Images

Cover Plate

Battery

Battery Tray

Router

Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	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
Peak Gain (dBi)	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
Return Loss 50Ω (dB)	CELL 1 thru 4	617-849 MHz	10
	CELL 1 thru 4	849-894 MHz	8
	CELL 1 thru 4	1710-2700 MHz	14
	CELL 1 thru 4	3400-4000 MHz	8
	CELL 1 thru 4	5150-5925 MHz	9
	Wi-Fi 1 thru 4	2400-2483.5 MHz	10
	Wi-Fi 1 thru 4	4900-5900 MHz	10
Isolation (dB)	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
Polarization (dBi)	CELL, Wi-Fi		Linear
Max Input Power (Watts)	CELL, Wi-Fi		10
RF Connectors	CELL		SMA(M)
	Wi-Fi		RPSMA (M)
RF Cable Type	CELL, Wi-Fi		RG316

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

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

Our Boxer antenna consists of a protective case with the antenna built into the lid.

Config.	Part Number	Description
7:1	PRO7BX4L2WG	4 Cellular, 2 Wi-Fi, GPS, Black Case with Antenna Build into Lid
	PRO7BX4L2WG-L	4 Cellular, 2 Wi-Fi, GPS, Black Case with Antenna Build into Lid with DC Connector (see antenna options for description)
	PRO7BX4L2WG-G2	4 Cellular, 2 Wi-Fi, GPS, Black Case with Antenna Build into Lid with Omnicharge 30C+ Battery Tray (see antenna options for description)
8:1	PRO8BX4L3WG	4 Cellular, 3 Wi-Fi, GPS, Black Case with Antenna Build into Lid
	PRO8BX4L3WG-L	4 Cellular, 3 Wi-Fi, GPS, Black Case with Antenna Build into Lid with DC Connector (see antenna options for description)
	PRO8BX4L3WG-G2	4 Cellular, 3 Wi-Fi, GPS, Black Case with Antenna Build into Lid with Omnicharge 30C+ Battery Tray (see antenna options for description)
9:1	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 Omnicharge 30C+ Battery Tray (see antenna options for description)

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Part Number Key

Part number example for a 7:1 Boxer antenna: PRO7BX4L2WG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	7:1	PRO7
Antenna Abbreviation for Boxer	BX	PRO7BX
Number of Cellular Elements	#L	PRO7BX4L
Number of Wi-Fi Elements	#W	PRO7BX4L2W
Number of GPS Elements	G	PRO7BX4L2WG
Optional G2 Version - Includes the options listed	-G2	PRO7BX4L2WG-G2
Optional L Version - Includes the options listed	-L	PRO7BX4L2WG-L
Custom case colors and connectors are available. For more information contact sales@parsec-t.com.		

Antenna Options

Description	PRO7BX4L2WG	-G2 Version	-L Version
Antenna	Yes	Yes	Yes
Fan and Vent	No	Yes	VENT ONLY
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.) For more information, see our installation instructions at Parsec-t.com for Boxer 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
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-100

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