



Ideal for

- Retail Wireless Internet Access
- Failover to Wireless Internet Backup

Bulldog Ceiling Antenna

13:1 Antenna



- 8X8 MIMO LTE
- 4X4 MIMO WI-FI
- GPS
- Roof Tile

Features

- 5G
- WI-FI 6
- 600-6000 MHz*
- HIGH EFFICIENCY
- HIGH PERFORMANCE

*See inside for details

Product Description

The Bulldog PRO Series antennas are perfect for in-building, 4X4 MIMO LTE coverage. The Bulldog antenna provides high-speed LTE data transmission for retail, pop-up and failover LTE applications.

Patent pending.



Frequency Ranges

5G/4G/LTE Frequency Range	Wi-Fi Frequency Range
617 – 894 MHz	2400 – 2483.5 MHz
1695 – 2700 MHz	4900 – 5900 MHz
3400 – 3800 MHz	
5150 – 5925 MHz	

Specifications

5G*/4G/LTE Bands Covered

AT&T	2, 4, 5*, 12, 14, 17, 29, 30, 48, 66, 77*
Verizon	2*, 4, 5*, 13, 48, 66*, 77*
T-Mobile	2, 4, 12, 25, 26, 41*, 48, 66, 71*, 77*

Mechanical

Dimensions	23.7 inch length x 23.7 inch width x 2.2 inch height
Mounting	Fits suspended ceilings
RF Cable Length	Choice of 14, 27, or 53 foot cable

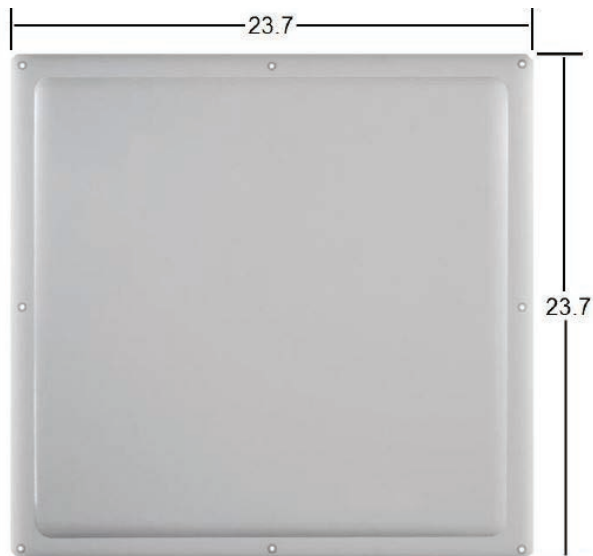
Environmental

Operating Temperature	-40°C to 85°C
Ingress Protection	Indoor use only

Electrical Specifications

ID	Port	Parameters	Units	Typ.
Radiated Efficiency	LTE-1 thru 8	617 – 698 MHz		75
	LTE-1 thru 8	698 – 894 MHz		85
	LTE-1 thru 8	1695 – 2700 MHz		85
	LTE-1 thru 8	3400 – 3800 MHz	%	75
	LTE-1 thru 8	5150 – 5925 MHz		60
	WiFi-1,2,3,4	2400 – 2483.5 MHz		80
	WiFi-1,2,3,4	4900 – 5900 MHz		70
Peak Gain	LTE-1 thru 8	617 – 894 MHz		2
	LTE-1 thru 8	698 – 894 MHz		5
	LTE-1 thru 8	1695 – 2700 MHz		7
	LTE-1 thru 8	3400 – 3800 MHz	dBi	8
	LTE-1 thru 8	5150 – 5925 MHz		6
	WiFi-1,2,3,4	2400 – 2483.5 MHz		5
	WiFi-1,2,3,4	4900 – 5900 MHz		7
Return Loss (50 Ω)	LTE-1 thru 8	617 – 894 MHz		7.5
	LTE-1 thru 8	698 – 894 MHz		11
	LTE-1 thru 8	1695 – 2700 MHz		11
	LTE-1 thru 8	3400 – 3800 MHz	dB	9.5
	LTE-1 thru 8	5150 – 5925 MHz		6.5
	WiFi-1,2,3,4	2400 – 2483.5 MHz		15
	WiFi-1,2,3,4	4900 – 5900 MHz		9
Isolation	LTE	617 – 894 MHz		13
	LTE	698 – 894 MHz		13
	LTE	1695 – 2700 MHz		20
	LTE	3400 – 3800 MHz	dB	25
	LTE	5150 – 5925 MHz		30
	WiFi	2400 – 2483.5 MHz		30
	WiFi	4900 – 5900 MHz		35
Polarization	LTE, Wi-Fi			Linear
Max Input Power	LTE, Wi-Fi		Watts	60
RF Connector	LTE			SMA(M)
	Wi-Fi			RP-SMA
RF Cable Type	LTE, Wi-Fi			RG-316

Product Dimensions



Ordering

Standard Antennas

Configurations	Part Number	Description
12:1	PRO12BD8L4W02	8 LTE, 4 WiFi, 2ft cable

Non-Standard Antennas

Configurations	Part Number	Description
4:1	PRO4BD4L02	4 LTE, 2ft cable
	PRO4BD4L15	4 LTE, 15ft cable
8:1	PRO8BD4L4W02	4 LTE, 4 WiFi, 2ft cable
	PRO8BD4L4W15	4 LTE, 4 WiFi, 15ft cable
	PRO8BD8L02	8 LTE, 2ft cable
	PRO8BD8L15	8 LTE, 15ft cable
12:1	PRO12BD8L4W15	8 LTE, 4 WiFi, 15ft cable
13:1	PRO13BD8L4WG15	8 LTE, 4 WiFi, GPS, 15ft cable

Notes:

N type connector is recommended for outdoor usage due to it being waterproof. N type is also best used for cable runs longer than 25ft due to it being a stronger connection.

SMA connectors have a max torque of 3-5 inch lbs.

Part Number Key

Part number example for a Bulldog 8:1 antenna:

PRO8BD4L4W15

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	8:1	PRO8
Antenna abbreviation for Bulldog	BD	PRO8BD
Number of LTE Elements	# L	PRO8BD4L
Number of Wi-Fi Elements	# W	PRO8BD4L4W
Cable length measured in feet: 01 = 1', 15 = 15'	01, 15, etc,	PRO8BD4L4W15
If SMA connector, simply leave blank		PRO8BD4L4W15

Custom connectors are available. Please contact us for more information.



Parsec Technologies
972-804-4600
support@parsec-t.com