



The Rottweiler Pro Series antenna is a 5G, 2X2 MIMO cellular, up to 3X3 Wi-Fi, omni-directional antenna with optional GPS. The Rottweiler is designed for high performance of 600 MHz to 6 GHz frequencies for mobile and fixed wireless access network solutions.

This PRO Series, IP67 rated antenna is low profile, perfect for emergency fleet vehicles, police cruisers, transportation, and industrial equipment. The Rottweiler is durable enough for harsh working condition including high vibration, debris, and inclement weather.

Patent Pending



1st
to 5G



Configurations 2:1 | 3:1 | 4:1 | 5:1 | 6:1

Emergency communications | Transportation & Fleet | Mobile Broadband

Low Profile

1.45 inch Height for Low Silhouette

High Data Speeds

5G Speeds with High Gain & Efficiency

Durable

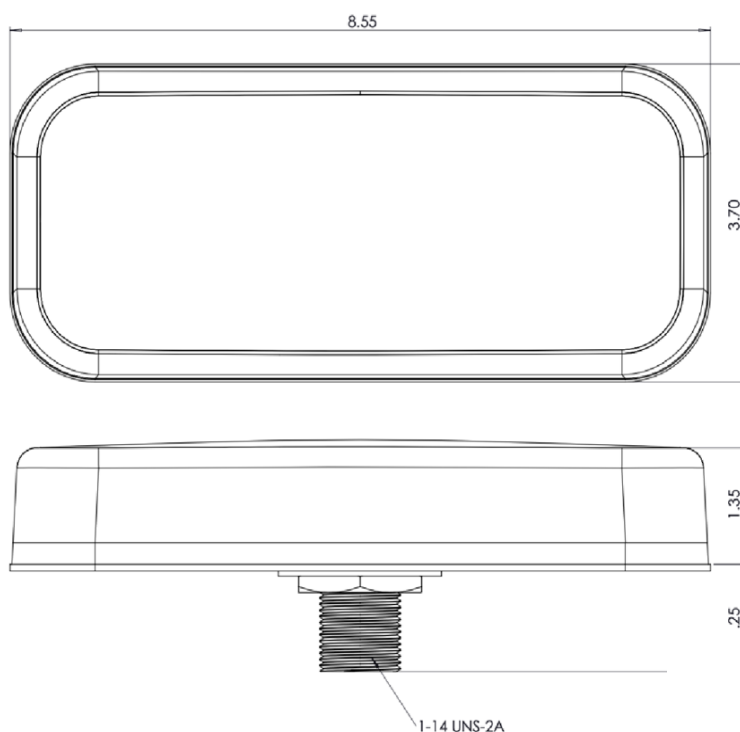
IP67 Rated & Power Wash Safe

- 2X2 MIMO CELLULAR
- UP TO 3X3 MIMO WI-FI
- OMNI-DIRECTIONAL
- GPS
- 600 MHz – 6 GHz
- 8.5 in X 3.65 in X 1.45 in
- WI-FI 6 COMPATIBLE

Specifications

Frequencies			
4G/5G Cellular	698-960 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	Wi-Fi	2400-2483.5 MHz 5150-5925 MHz
4G/5G Bands			
North America	B2, B4, B5, B7, B12, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66 n2, n5, n12, n25, n26, n41, n48, n66, n77		
EMEA	B1, B3, B7, B8, B20, B28, B42, B43, B46 n1, n3, n8, n28, n77, n78		
Mechanical		Environmental	
Dimension	8.55 inch X 3.7 inch X 1.35 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Single 1 inch	Ingress Protection	IP67
RF Cable Length	Choice of 1 or 15 ft Cables		

Dimensions



Hardware Accessories Included

PTA0316-316



PTA0318-316



Product Images



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2	698-960 MHz	55
	CELL 1, 2	1710-2200 MHz	75
	CELL 1, 2	2200-2700 MHz	55
	CELL 1, 2	3400-3800 MHz	85
	CELL 1, 2	5150-5925 MHz	75
	GPS	1575.42 MHz	80
	Wi-Fi 1, 2	2400-2483.5 MHz	85
	Wi-Fi 1, 2	4900-5900 MHz	70
Peak Gain (dBi)	CELL 1, 2	698-960 MHz	3
	CELL 1, 2	1710-2200 MHz	7
	CELL 1, 2	2200-2700 MHz	5
	CELL 1, 2	3400-3800 MHz	8.5
	CELL 1, 2	5150-5925 MHz	8.5
	GPS	1575.42 MHz	6
	Wi-Fi 1, 2	2400-2483.5 MHz	8
	Wi-Fi 1, 2	4900-5900 MHz	9

Return Loss 50Ω (dB)	CELL 1, 2	698-960 MHz	5.5
	CELL 1, 2	1710-2200 MHz	8
	CELL 1, 2	2200-2700 MHz	7
	CELL 1, 2	3400-3800 MHz	9.5
	CELL 1, 2	5150-5925 MHz	12
	GPS	1575.42 MHz	16
	Wi-Fi 1, 2	2400-2483.5 MHz	9
	Wi-Fi 1, 2	4900-5900 MHz	
Isolation (dB)	CELL 1 to 2	698-960 MHz	11
	CELL 1 to 2	1710-2700 MHz	21
	CELL 1 to 2	3400-3800 MHz	18
	CELL 1 to 2	5150-5925 MHz	27
	Wi-Fi 1 to 2	2400-2483.5 MHz	13
	Wi-Fi 1 to 2	4900-5900 MHz	18
Polarization (dBi)	CELL, Wi-Fi GPS		Linear RHCP
Max Input Power (Watts)	CELL, Wi-Fi		5
GNSS Preamp Gain (dB)	GPS		28
GNSS Preamp Voltage (V)	GPS		2.2 to 5.0
RF Connectors	CELL, GPS Wi-Fi		SMA(M) RPSMA(M)
RF Cable Type	CELL, Wi-Fi GPS		LSR200 LSR100
- Electrical specifications based on antenna mounted on a 2 ft x 2 ft external ground plane. - Isolation and return loss does not include cable loss. - SMA connectors have a max torque of 3-5 inch lbs. - NF connectors have a max torque of 6.2-9.7 inch lbs. - 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.			

Part Number Key

Part number example of a 6:1 Rottweiler antenna: PRO6R2L3WG15B

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	6:1	PRO6
Antenna Abbreviation for Rottweiler	R	PRO6R
Number of CELL Elements	#L	PRO6R2L
Number of Wi-Fi Elements	#W	PRO6R2L3W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO6R2L3WG
Cable length measured in feet: 01=1', 15=15'	01, 15, etc.,	PRO6R2L3WG15
Radome color - B for Black, W for White	B or W	PRO6R2L3WG15B
If SMA connector, simply leave blank		PRO6R2L3WG15B
Leave Blank for Standard 1.25" Bolt S=Short Bolt of 0.6"	S	PRO6R2L3WG15BS
Additional Options		
N Type Female Connector	-NF	PRO6R2L3WG01BS-NF
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering Standard Antennas

Config.	Part Number	Description
3:1	PRO3R2LG15B	2 Cellular, GPS, 15 ft Cable, Black
	PRO3R2LG15BS	2 Cellular, GPS, 15 ft Cable, Black, Short Bolt
5:1	PRO5R2L2WG15B	2 Cellular, 2 Wi-Fi, GPS, 15 ft Cable, Black
	PRO3R2L2WG15BS	2 Cellular, 2 Wi-Fi, GPS, 15 ft Cable, Black, Short Bolt

Non-Standard Antennas

Config.	Part Number	Description
2:1	PRO2R2L01B	2 Cellular, 1 ft Cable, Black
	PRO2R2L01BS	2 Cellular, 1 ft Cable, Black, Short Bolt
	PRO2R2L01B-NF	2 Cellular, 1 ft Cable, Black, N Type Female
	PRO2R2L01BS-NF	2 Cellular, 1 ft Cable, Black, Short Bolt, N Type Female
	PRO2R2L01W	2 Cellular, 1 ft Cable, White
	PRO2R2L01WS	2 Cellular, 1 ft Cable, White, Short Bolt
	PRO2R2L01W-NF	2 Cellular, 1 ft Cable, White, N Type Female
	PRO2R2L01WS-NF	2 Cellular, 1 ft Cable, White, Short Bolt, N Type Female

	PRO2R2L15B	2 Cellular, 15 ft Cable, Black
	PRO2R2L15BS	2 Cellular, 15 ft Cable, Black, Short Bolt
	PRO2R2L15W	2 Cellular, 15 ft Cable, White
	PRO2R2L15WS	2 Cellular, 15 ft Cable, White, Short Bolt
3:1	PRO3R2LG01B	2 Cellular, GPS, 1 ft Cable, Black
	PRO3R2LG05B	2 Cellular, GPS, 5 ft Cable, Black
	PRO3R2LG01BS	2 Cellular, GPS, 1 ft Cable, Black, Short Bolt
	PRO3R2LG01B-NF	2 Cellular, GPS, 1 ft Cable, Black, N Type Female
	PRO3R2LG01BS-NF	2 Cellular, GPS, 1 ft Cable, Black, Short Bolt, N Type Female
	PRO3R2LG01W	2 Cellular, GPS, 1 ft Cable, White
	PRO3R2LG01WS	2 Cellular, GPS, 1 ft Cable, White, Short Bolt
	PRO3R2LG01W-NF	2 Cellular, GPS, 1 ft Cable, White, N Type Female
	PRO3R2LG01WS-NF	2 Cellular, GPS, 1 ft Cable, White, Short Bolt, N Type Female
	PRO3R2LG15W	2 Cellular, GPS, 15 ft Cable, White
	PRO3R2LG15WS	2 Cellular, GPS, 15 ft Cable, White, Short Bolt
4:1	PRO4R2L2W01B	2 Cellular, 2 Wi-Fi, 1 ft Cable, Black
	PRO4R2L2W01BS	2 Cellular, 2 Wi-Fi, 1 ft Cable, Black, Short Bolt
	PRO4R2L2W01B-NF	2 Cellular, 2 Wi-Fi, 1 ft Cable, Black, N Type Female
	PRO4R2L2W01BS-NF	2 Cellular, 2 Wi-Fi, 1 ft Cable, Black, Short Bolt, N Type Female
	PRO4R2L2W01W	2 Cellular, 2 Wi-Fi, 1 ft Cable, White
	PRO4R2L2W01WS	2 Cellular, 2 Wi-Fi, 1 ft Cable, White, Short Bolt
	PRO4R2L2W01W-NF	2 Cellular, 2 Wi-Fi, 1 ft Cable, White, N Type Female
	PRO4R2L2W01WS-NF	2 Cellular, 2 Wi-Fi, 1 ft Cable, White, Short Bolt, N Type Female
	PRO4R2L2W15B	2 Cellular, 2 Wi-Fi, 15 ft Cable, Black
	PRO4R2L2W15BS	2 Cellular, 2 Wi-Fi, 15 ft Cable, Black, Short Bolt
	PRO4R2L2W15W	2 Cellular, 2 Wi-Fi, 15 ft Cable, White
	PRO4R2L2W15BWS	2 Cellular, 2 Wi-Fi, 15 ft Cable, White, Short Bolt
6:1	PRO6R2L3WG01B	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, Black
	PRO6R2L3WG01BS	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, Black, Short Bolt
	PRO6R2L3WG01B-NF	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, Black, N Type Female
	PRO6R2L3WG01BS-NF	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, Black, Short Bolt, N Type Female
	PRO6R2L3WG01W	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, White
	PRO6R2L3WG01WS	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, White, Short Bolt
	PRO6R2L3WG01W-NF	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, White, N Type Female
	PRO6R2L3WG01WS-NF	2 Cellular, 3 Wi-Fi, GPS, 1 ft Cable, White, Short Bolt, N Type Female
	PRO6R2L3WG15B	2 Cellular, 3 Wi-Fi, GPS, 15 ft Cable, Black
	PRO6R2L3WG15BS	2 Cellular, 3 Wi-Fi, GPS, 15 ft Cable, Black, Short Bolt
	PRO6R2L3WG15W	2 Cellular, 3 Wi-Fi, GPS, 15 ft Cable, White
	PRO6R2L3WG15WS	2 Cellular, 3 Wi-Fi, GPS, 15 ft Cable, White, Short Bolt

Additional Hardware Accessories

Accessory	Part Number
L Bracket, Antenna Mount Assembly	PTA0756
Pole Mount Bracket Assembly, 1" Hole	PTA0149
Pole Mount Bracket, Horizontal Truss Mounting	PTA0149-F
Pole Mount Bracket, Marine Grade, White	PTA0149-MG-W
Magnetic Mount	PTA0330
Gasket Assembly – Dodge Charger	PTA0339
Replacement Rooftop Gasket	PTA0110
Gasket Assembly – 2021 Ford Explorer	PTA0644
Roof Top Ford Explorer Gasket	PTA0649
Hardware Kit for 1" Shaft – Nut/Washer	PTA0760
1" Star Washer	PTA0251
Ground plane with adhesive back, 20in x 20in, can be cut to size	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



Parsec Antennas

972-804-4600

support@parsec-t.com