



The Timberwolf is an all-in-one antenna designed to accommodate TV, AM/FM radio, Bluetooth, cellular, Wi-Fi, and GPS in one package for mobile network applications such as recreational vehicles or command centers. Timberwolf reduces roof clutter from multiple units while maintaining structural integrity of the roof with minimal drilling and exposure to water leaks. The Timberwolf PRO series antenna is a 5G, 4X4 MIMO cellular, 2X2 MIMO Wi-Fi, TV, AM/FM, and Bluetooth omni-directional mobile antenna with optional GPS.

This PRO series rugged, IP67-rated antenna is durable enough to perform at high efficiency without damage from the elements or hard use.

Patent Pending



1st
to 5G



Configurations 9:1

Recreational Vehicles | Transportation & Fleet | Industrial Fleets

Reliable Remote Connectivity

High Efficiency & High Gain

High Data Speeds

Ideal for Remote Video Monitoring

Durable

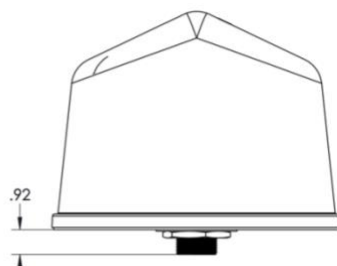
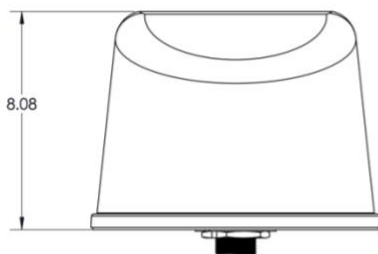
IP67 Rated & Power Wash Safe

- 4X4 MIMO CELLULAR
- UP TO 2X2 MIMO WI-FI
- TV & AM/FM RADIO
- OMNI-DIRECTIONAL
- 600 MHz – 6 GHz
- GPS
- WI-FI 6 COMPATIBLE

Specifications

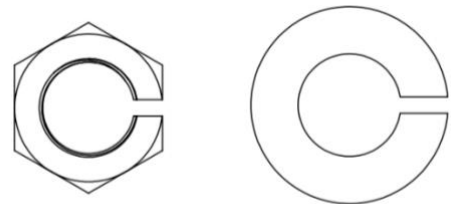
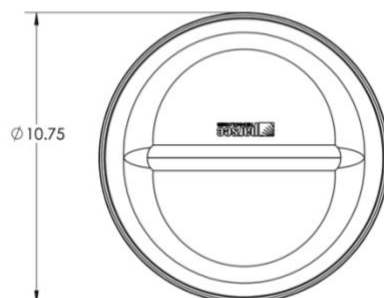
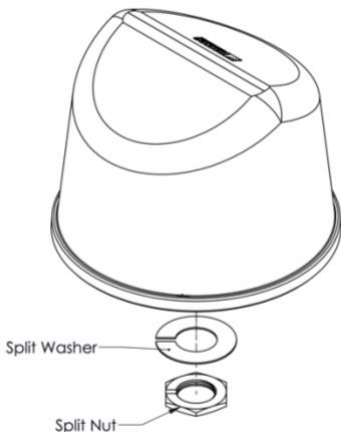
<i>Frequencies</i>			
4G/5G Cellular	617-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	Wi-Fi	2400-2483.5 MHz 4900-5900 MHz
TV	UHF- 470-608 MHz VHF- 174-216 MHz	AM/FM	AM- 530-1700 kHz FM- 88-108 MHz
<i>4G/5G Bands</i>			
North America	B2, B4, B5, B7, B12, B14, B17, B25, B26, B29, B30, B41, B46, B48, 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		
<i>Mechanical</i>		<i>Environmental</i>	
Dimension	10.75 inch diameter X 8.08 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Roof Mount with 1.5 inch hole	Ingress Protection	IP67 Waterproof
RF Cable Length	1 to 15 ft Cable		

Dimensions



Hardware Accessories Included

PTA0761



Product Images



Cellular and Wi-Fi Electrical Specifications

<i>ID & Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Radiated Efficiency (%)	CELL 1 thru 4	617-849 MHz	70
	CELL 1 thru 4	849-894 MHz	60
	CELL 1 thru 4	1710-2200 MHz	80
	CELL 1 thru 4	2200-2700 MHz	75
	CELL 1 thru 4	3300-3700 MHz	80
	CELL 1 thru 4	3700-4000 MHz	70
	CELL 1 thru 4	5150-5925 MHz	70
	Wi-Fi 1 thru 2	2400-2483.5 MHz	80
	Wi-Fi 1 thru 2	4900-5900 MHz	60
Peak Gain (dBi)	CELL 1 thru 4	617-849 MHz	5
	CELL 1 thru 4	849-894 MHz	4
	CELL 1 thru 4	1710-2200 MHz	5.5
	CELL 1 thru 4	2200-2700 MHz	8
	CELL 1 thru 4	3300-4000 MHz	7
	CELL 1 thru 4	5150-5925 MHz	9
	Wi-Fi 1 thru 2	2400-2483.5 MHz	5
	Wi-Fi 1 thru 2	4900-5900 MHz	7
	VHF UHF	174-216 MHz 470-608 MHz	18 16
Return Loss 50Ω (dB)	CELL 1 thru 4	617-698 MHz	7
	CELL 1 thru 4	698-894 MHz	8
	CELL 1 thru 4	1710-2700 MHz	12
	CELL 1 thru 4	3300-4000 MHz	8
	CELL 1 thru 4	5150-5925 MHz	4
	Wi-Fi 1 thru 2	2400-2483.5 MHz	15
	Wi-Fi 1 thru 2	4900-5900 MHz	4
Isolation (dB)	CELL	617-894 MHz	10

	CELL	1710-2200 MHz	16
	CELL	2200-2700 MHz	17
	CELL	3300-4000 MHz	20
	CELL	5150-5925 MHz	20
	Wi-Fi	2400-2483.5 MHz	20
	Wi-Fi	4900-5900 MHz	30
Polarization	CELL, Wi-Fi		Linear
Max Input Power (Watts)	CELL, Wi-Fi		5
RF Connectors	CELL, GPS Wi-Fi		SMA(M) RPSMA
RF Cable Type	CELL, Wi-Fi GPS		LSR200 LSR100
- Electrical Specifications based on antenna with a 2 ft X 2 ft external ground plane. - Isolation, return loss, and peak gain do 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. - Wi-Fi-MIMO isolation is the isolation between elements grouped for MIMO for one modem. - Wi-Fi Adjacent isolation between adjacent elements is the isolation between elements for separate modems. - 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.			

GNSS Electrical Specifications

<i>ID & Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
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

Part Number Key

Part number example of a 9:1 Timberwolf antenna, black: PRO9TW4L2WAVG01W

<i>Description</i>	<i>Abbreviation</i>	<i>Part Number</i>
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	9:1	PRO9
Antenna Abbreviation for Timberwolf	TW	PRO9TW
Number of CELL Elements	#L	PRO9TW4L
Number of Wi-Fi Elements	#W	PRO9TW4L2W
AM/FM Radio Antenna	A	PRO9TW4L2WA
TV Antenna	V	PRO9TW4L2WAV
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO9TW4L2WAVG
Cable Length Measured in Feet: 01=1', 15=15'	01, 15, etc.,	PRO9TW4L2WAVG01
Radome Color - B for Black or W for White	B or W	PRO9TW4L2WAVG01W
If SMA Connector, simply leave blank		PRO9TW4L2WAVG01W
N Type Female Connector	-NF	PRO9TW4L2WAVG01W-NF
QMA Male Connector	-QM	PRO9TW4L2WAVG01W-QM
<i>Additional Options</i>		
Attached Magnetic Boot Mount	M	PRO9TW4L2WAVG01WM
Marine Grade	-MG	PRO9TW4L2WAVG01W-NF-MG
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering

Standard Antennas

<i>Config.</i>	<i>Part Number</i>	<i>Description</i>
9:1	PRO9TW4L2WAVG01W	4 Cellular, 2 Wi-Fi, AM/FM, TV, GPS, 1 ft Cable, White

Additional Hardware Accessories

<i>Accessory</i>	<i>Part Number</i>
Pole Mount Bracket	PTA0149H
Pole Mount Bracket, Marine Grade, White	PTA0149H-MG-W
Pole Mount B Bracket, Marine Grade, Black	PTA0149H-MG-B
Pole Mount Bracket, Horizontal Truss Mounting	PTA0149H-F
Pole Mount Bracket, Heavy Duty, High Vibration	PTA0721
Wall Mount Bracket	PTA0149H-W
Roof Mount Kit- Gasket, Nut, Washer	PTA0610
Replacement Magnets for Magnetic Boot	PTA0212-2
3M Double Sided Adhesive Gasket	PTA0187
Hardware Kit for 1.5" Shaft- Nut & Washer	PTA0761
1.5" Star Washer	PTA0257
Ground plane with adhesive back, 20in x 20in, can be cut to size	PTA0587
Lightning Arrester- SMA (F) to SMA (F)	PTA0476
Lightning Arrester- N(F) to N(M)	PTA0736
SMA Wrench, Key Chain	PTA0194
Service: Cable Sleeving (priced per ft)	Cable Sleeving



Parsec Antennas
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