



The Chihuahua S PRO Series antenna is a single cellular, single Wi-Fi, omni-directional antenna with optional GPS. The Chihuahua S is designed to be compact and rugged enough to withstand harsh working conditions such as oil fields or industrial warehouses. Parsec delivers high efficiency for all the common worldwide 4G bands.

This PRO Series, IP67 rated antenna is optimized with a small footprint to fit the top of common electrical equipment boxes and self-service kiosks.

Patent Pending



Configurations 1:1 | 2:1 | 3:1

Industrial IoT | Mobile Broadband | Kiosks



Vibration & Shock Resistant

Built Rugged for High Impact

Compact Design

Fits Most Applications Due to Size

Water Resistant

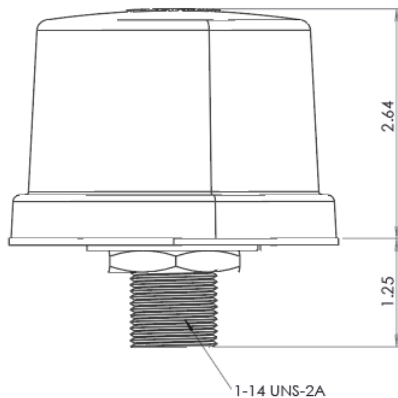
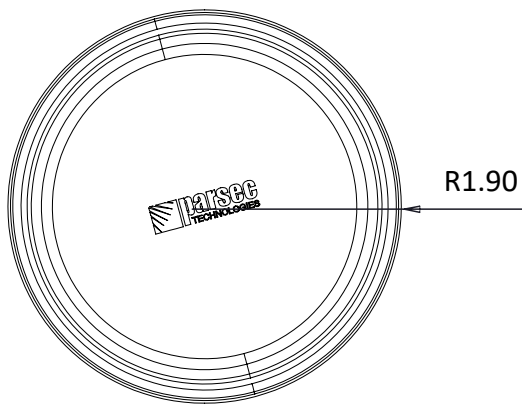
IP67 Rated with Watertight Gaskets

- CELLULAR
- OPTIONAL Wi-Fi & GPS
- OMNI-DIRECTIONAL
- GPS
- 698 MHz – 2.7 GHz
- 3.8 inch x 2.64 inch
- Wi-Fi 6 COMPATIBLE

Specifications

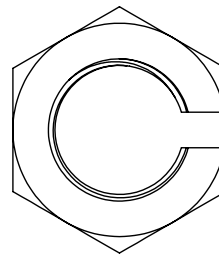
Frequencies			
4G/5G Cellular	698-960 MHz 1710-2700 MHz	Wi-Fi	2400-2483.5 MHz 4900-5900 MHz
4G/5G Bands			
North America	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B66		
EMEA	B1, B3, B7, B20, B28		
Mechanical		Environmental	
Dimension	3.8 inch x 2.64 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Single 1 inch	Ingress Protection	IP67

Dimensions

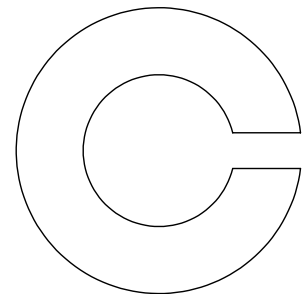


Hardware Accessories Included

PTA0316-316



PTA0318-316



Product Images



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL	617-894 MHz	70
	CELL	1710-2700 MHz	70
	Wi-Fi	2400-2483.5 MHz	70
	Wi-Fi	4900-5900 MHz	70
Peak Gain (dBi)	CELL	617-894 MHz	4
	CELL	1710-2700 MHz	7
	Wi-Fi	2400-2483.5 MHz	2.2
	Wi-Fi	4900-5900 MHz	4.5
Return Loss 50 Ω (dB)	CELL	617-894 MHz	8
	CELL	894-960 MHz	5
	CELL	1710-2500 MHz	9
	CELL	2500-2700 MHz	7
	Wi-Fi	2400-2483.5 MHz	16
	Wi-Fi	4900-5900 MHz	8
Polarization	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		LSR200
- 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. 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

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

Part Number Key

Part number example of a 3:1 Chihuahua S antenna, black: PRO3SLWG15B

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	3:1	PRO3
Antenna Abbreviation for Chihuahua S	S	PRO3S
Number of CELL Elements	#L	PRO3SL
Number of Wi-Fi Elements	#W	PRO3SLW
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO3SLWG
Cable Length Measured in Feet: 01=1', 15=15'	01, 15, etc.,	PRO3SLWG15
Radome Color – B for Black, W for White	B or W	PRO3SLWG15B
If SMA Connector, Simply Leave Blank		PRO3SLWG15B
Additional Options		
N Type Female Connector	-NF	PRO3SLWG01B-NF
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering

Config.	Part Number	Description
1:1	PRO1SL01B	1 Cellular, 1 ft Cable, Black
	PRO1SL01W	1 Cellular, 1 ft Cable, White
	PRO1SL06B	1 Cellular, 6 ft Cable, Black
	PRO1SL06W	1 Cellular, 6 ft Cable, White
	PRO1SG01B	1 GPS, 1 ft Cable, Black
	PRO1SG01W	1 GPS, 1 ft Cable, White
	PRO1SG06B	1 GPS, 6 ft Cable, Black
	PRO1SG06W	1 GPS, 6 ft Cable, White
	PRO1SW06B	1 Wi-Fi, 6 ft Cable, Black
	PRO1SW06W	1 Wi-Fi, 6 ft Cable, White
2:1	PRO2SLW01B	1 Cellular, 1 Wi-Fi, 1 ft Cable, Black
	PRO2SLW01W	1 Cellular, 1 Wi-Fi, 1 ft Cable, White
	PRO2SLW06B	1 Cellular, 1 Wi-Fi, 6 ft Cable, Black
	PRO2SLW06W	1 Cellular, 1 Wi-Fi, 6 ft Cable, White
3:1	PRO3SLWG01B	1 Cellular, 1 Wi-Fi, GPS, 1 ft Cable, Black
	PRO3SLWG01W	1 Cellular, 1 Wi-Fi, GPS, 1 ft Cable, White
	PRO3SLWG06B	1 Cellular, 1 Wi-Fi, GPS, 6 ft Cable, Black
	PRO3SLWG06W	1 Cellular, 1 Wi-Fi, GPS, 6 ft Cable, White

Additional Hardware Accessories

Accessory	Part Number
Pole Mount Bracket Assembly, 1" Hole	PTA0149
Pole Mount Bracket, Horizontal Truss Mounting	PTA0149-F
Pole Mount Bracket, Marine Grade, White	PTA0149-MG-W
Mini Pole Mount Bracket Assembly	PTA0637
L Bracket, Antenna Mount Assembly	PTA0756
Replacement Rooftop Gasket	PTA0098
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
Surge Arrestor - SMA(F) to SMA(F)	PTA0476
Surge 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