



The Pug PRO series is a 2X2 MIMO cellular, up to 2x2 MIMO Wi-Fi and optional GPS, omni-directional fixed wireless antenna. The Pug is designed for high performance of kiosks, vending machines, ATMs, and POTS replacement. This new package is adhesive mount, magnetic mount, or panel mount. No drilling required.

This PRO series IP67-rated antenna is small enough to mount and perform at high efficiency on POTS replacement boxes and other equipment using a magnetic and adhesive base.

Patent Pending



1st  
to 5G

Configurations 2:1 | 3:1 | 4:1



POTS Replacement | Primary IoT Network Solutions | Warehouse Network Solutions

### ***Versatile IoT Applications***

ATM, Kiosk, Vending, & POTS Replacement

### ***Primary IoT***

High Speed Warehouse Network Solution

### ***Easy Install***

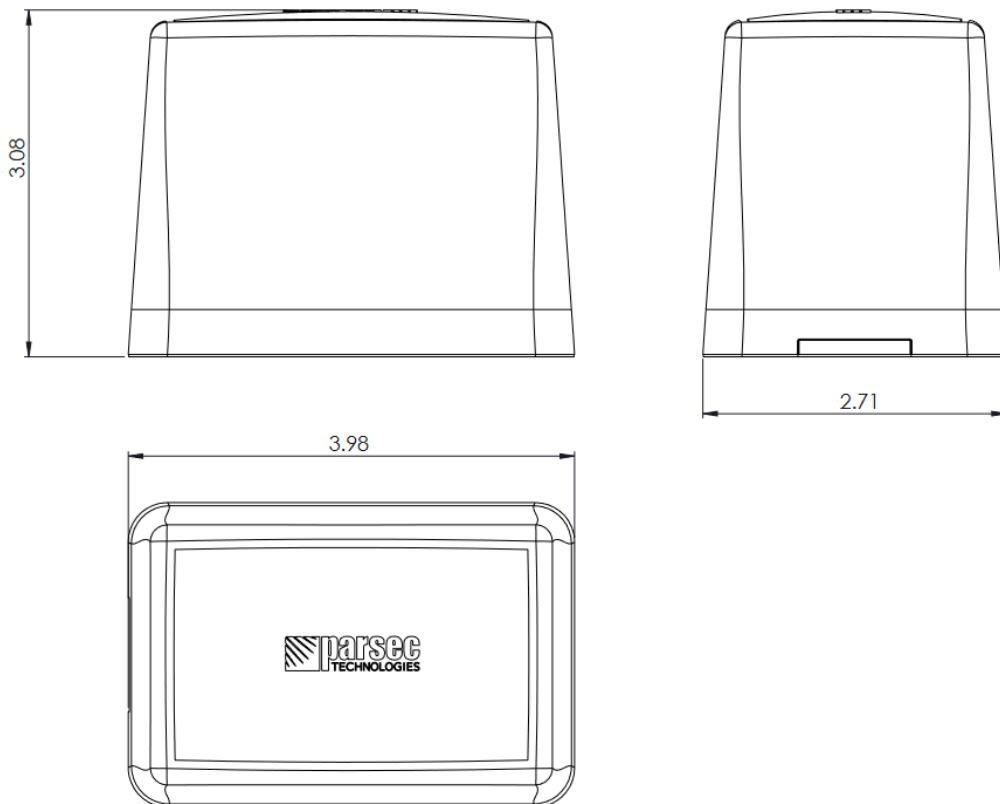
Magnetic & Adhesive Base

- 2X2 MIMO CELLULAR
- UP TO 2x2 MIMO WI-FI
- OMNI-DIRECTIONAL
- OPTIONAL GPS
- 600 MHz – 6 GHz
- 3.98 in X 2.71 in X 3.08 in
- MAXIMUM 4:1 CONFIGURATION

# Specifications

<b>Frequencies</b>			
<b>4G/5G Cellular</b>	617-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	<b>Wi-Fi</b>	2400-2483.5 MHz 4900-5900 MHz
<b>Mechanical</b>		<b>Environmental</b>	
<b>Dimension</b>	3.98 inch X 2.71 inch X 3.08 inch	<b>Operating Temperature</b>	-30 °C to 85°C OR -22 °F to 180°F
<b>Mounting</b>	Magnetic & Adhesive Base	<b>Ingress Protection</b>	IP67 Waterproof
<b>RF Cable Length</b>	Choice of 3 or 6 ft Cable		

# Dimensions



## Product Images



## Electrical Specifications

<i>ID &amp; Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Radiated Efficiency (%)	CELL 1, 2	617-698 MHz	60
	CELL 1, 2	698-894 MHz	70
	CELL 1, 2	1710-2700 MHz	65
	CELL 1, 2	3300-4000 MHz	65
	CELL 1, 2	5150-5925 MHz	70
	Wi-Fi 1, 2	2400-2483.5 MHz	75
	Wi-Fi 1, 2	4900-5900 MHz	50

Peak Gain (dBi)	CELL 1, 2	617-698 MHz	2
	CELL 1, 2	698-894 MHz	4
	CELL 1, 2	1710-2700 MHz	5
	CELL 1, 2	3300-4000 MHz	6
	CELL 1, 2	5150-5925 MHz	7
	Wi-Fi 1, 2	2400-2483.5 MHz	7
	Wi-Fi 1, 2	4900-5900 MHz	7
Return Loss 50Ω (dB)	CELL 1, 2	617-698 MHz	6
	CELL 1, 2	698-894 MHz	9.5
	CELL 1, 2	1710-1915 MHz	8
	CELL 1, 2	1915-2700 MHz	4
	CELL 1, 2	3300-4000 MHz	6
	CELL 1, 2	5150-5925 MHz	4
	Wi-Fi 1, 2	2400-2483.5 MHz	10
Isolation (dB)	CELL	698-894 MHz	7
	CELL	1710-1915 MHz	12
	CELL	1915-2700 MHz	15
	CELL	3300-4000 MHz	22
	CELL	5150-5925 MHz	30
	Wi-Fi	2400-2483.5 MHz	12
	Wi-Fi	4900-5900 MHz	22
Polarization	CELL, Wi-Fi		Linear
Max Input Power (Watts)	CELL, Wi-Fi		10
RF Connectors	CELL Wi-Fi		SMA(M) RPSMA(M)
RF Cable Type	CELL, Wi-Fi		LSR100
<ul style="list-style-type: none"> <li>• Electrical Specifications based on antenna with a 2 ft X 2 ft external ground plane.</li> <li>• Isolation, return loss, and peak gain does not include cable loss.</li> <li>• 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.</li> </ul>			

## *GNSS Electrical Specifications*

<i>ID &amp; 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 4:1 Pug antenna, black: PRO4PG2LWG06B

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	4:1	PRO4
Antenna Abbreviation for Pug	PG	PRO4PG
Number of CELL Elements	#L	PRO4PG2L
Number of Wi-Fi Elements	#W	PRO4PG2LW
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO4PG2LWG
Cable Length Measured in Feet: 01=1', 10=10'	01, 06, 10, etc.	PRO4PG2LWG06
Radome Color - B for Black	B	PRO4PG2LWG06B
If SMA Connector, simply leave blank		PRO4PG2LWG06B
Custom connectors and cable kits are available. Please contact us for more information at <a href="mailto:sales@parsec-t.com">sales@parsec-t.com</a> . Cable options include up to 6 feet.		

## Ordering Standard Antennas

Config.	Part Number	Description
2:1	PRO2GP2L03B	2 Cellular, 3 ft Cable, Black
	PRO2PG2L06B	2 Cellular, 6 ft Cable, Black
3:1	PRO3PG2LG06B	2 Cellular, GPS, 6 ft Cable, Black
4:1	PRO4PG2LWG06B	2 Cellular, 1 Wi-Fi, GPS, 6 ft Cable, Black

## Non-Standard Antennas

Config.	Part Number	Description
3:1	PRO3PG2LG03B	2 Cellular, GPS, 3 ft Cable, Black
4:1	PRO4PG2L2W03B	2 Cellular, 2 Wi-Fi, 3 ft Cable, Black
	PRO4PG2L2W06B	2 Cellular, 2 Wi-Fi, 6 ft Cable, Black
	PRO4PG2LWG03B	2 Cellular, 1 Wi-Fi, GPS, 3 ft Cable, Black

## *Additional Hardware Accessories*

<i>Accessory</i>	<i>Part Number</i>
SMA Wrench, Key Chain	PTA0194



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