



Great Pyrenees Pro Series

Durable, High-Efficiency 5G Performance in One Package

The Standard for Public Sector



Great Pyrenees Pro Series



Seamless Connectivity for Enterprise and Mobile Networks

- Double 4x4 MIMO Cellular
- 4x4 MIMO Wi-Fi
- Omni-directional
- High isolation to minimize interference and improve signal quality
- Supports CBRS and LAA
- Wi-Fi 6 Compatible
- High Efficiency, up to 85%



Maximum Signal Performance

Low Profile. Built Tough.

The Great Pyrenees Pro Series antenna delivers high-speed, **omni-directional**, and dependable wireless performance, all while containing an eleven-in-one eight element MIMO Cellular, two element MIMO Wi-Fi, and GNSS external waterproof antenna. Featuring **double 4x4 MIMO cellular, 4x4 MIMO Wi-Fi**, and an optional GPS and bluetooth, it is optimized to maximize **5G** performance while maintaining strong, consistent connectivity across demanding environments.

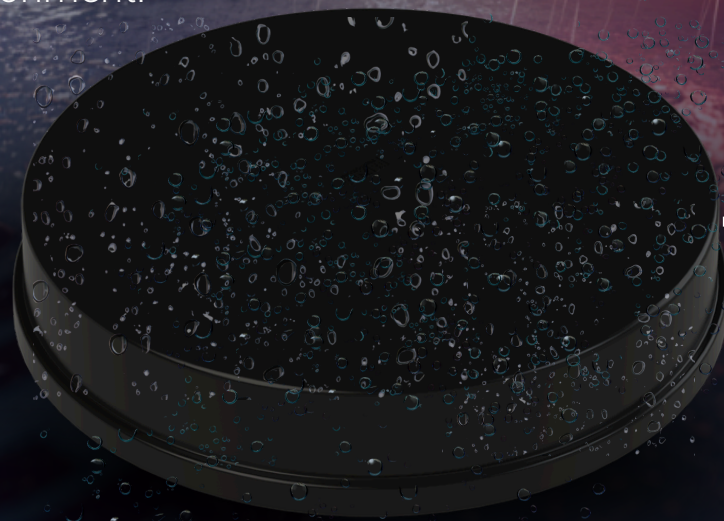
Seamless Connectivity for Enterprise and Mobile Networks

Next-Generation Wireless Connectivity

Field-Proven Durability

Designed for everything from public safety vehicles and construction fleets to enterprise rooftops and RVs, the Great Pyrenees Pro Series combines **rugged** durability with a **compact, low-profile** form factor. Its **small footprint** is designed to blend seamlessly into any application, while the robust **IP67-rated** enclosure provides **ultimate protection** against dust, water, and harsh weather conditions.

To streamline connectivity, this **all-in-one package** significantly simplifies deployment across any network. It features a **one-hole direct mount** design that makes installation exceptionally **fast, clean, and highly secure**, ensuring **reliable performance** no matter how demanding the environment.



**Weather-Proof &
Break-Proof**

Built for Every Deployment

Applications



Ambulances



Police & Fire



Transportation / Fleet



Mobile Broadband



Remote Video
Monitoring



Command Centers

Why Choose the Great Pyrenees

- Double 4x4 MIMO Cellular
- 4x4 MIMO Wi-Fi
- 5G Omni-Directional
- High isolation to minimize interference and improve signal quality
- High efficiency, up to 85%
- Low Profile



Specification Overview

PRO Great Pyrenees Series		
Applications	Best for Remote Network, Urban and Rural Areas	
Configurations	13:1 – 8 CELL, 4 Wi-Fi, L1/L5 Dual Band GPS	
Categories:	Enterprise, Public safety, 5G, RV	
Antennas Included:	Cellular, Wi-Fi, Bluetooth and GPS	
Mount Type	Roof Mount	
Mounting Accessories Available	Pole Mount, Mag Mount	
Antenna Pattern:	Omni-Directional	
Available Colors:	Black and White	
Cable Type:	Cellular	LSR200
	Wi-Fi	LSR200
	GPS	LSR100
Standard Cable Length	1 FT, 15 FT	
Standard Connector Options	Cellular	SMA(M)
	Wi-Fi	RP-SMA(M)
	GPS	SMA(M)

Specifications

Frequencies			
4G/5G Cellular	617-894 MHz 1710-2700 MHz 3300-4000 MHz 5150-5925 MHz	Wi-Fi	2400 - 2483.5 MHz 4900 - 5900 MHz
		L1 GPS	1575.42 MHz
		L1/L5 Dual Band GPS (Only with 9:1 and 13:1 configurations)	1563 – 1587 MHz 1164 – 1189 MHz
4G/5G Bands			
North America		B2, B4, B5, B7, B12, B13, 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	
Hardware			
Dimension	10.75 inch Diameter x 2.23 inch Height, 5.34 inch Height with optional magnetic mount	Operating Temperature	-40 °C to 85°C
Mounting	Single 1.5 in	Ingress Protection	IP67 Waterproof
RF Cable Length	1 FT or 15 FT	Radome Material	Plastic with UV Additive
Connectors	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)	Cable Type	CELL: LSR200 Wi-Fi: LSR200 GPS: LSR100
For customizations, such as Connector Type, Cable Length, Color Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com			

Dimensions

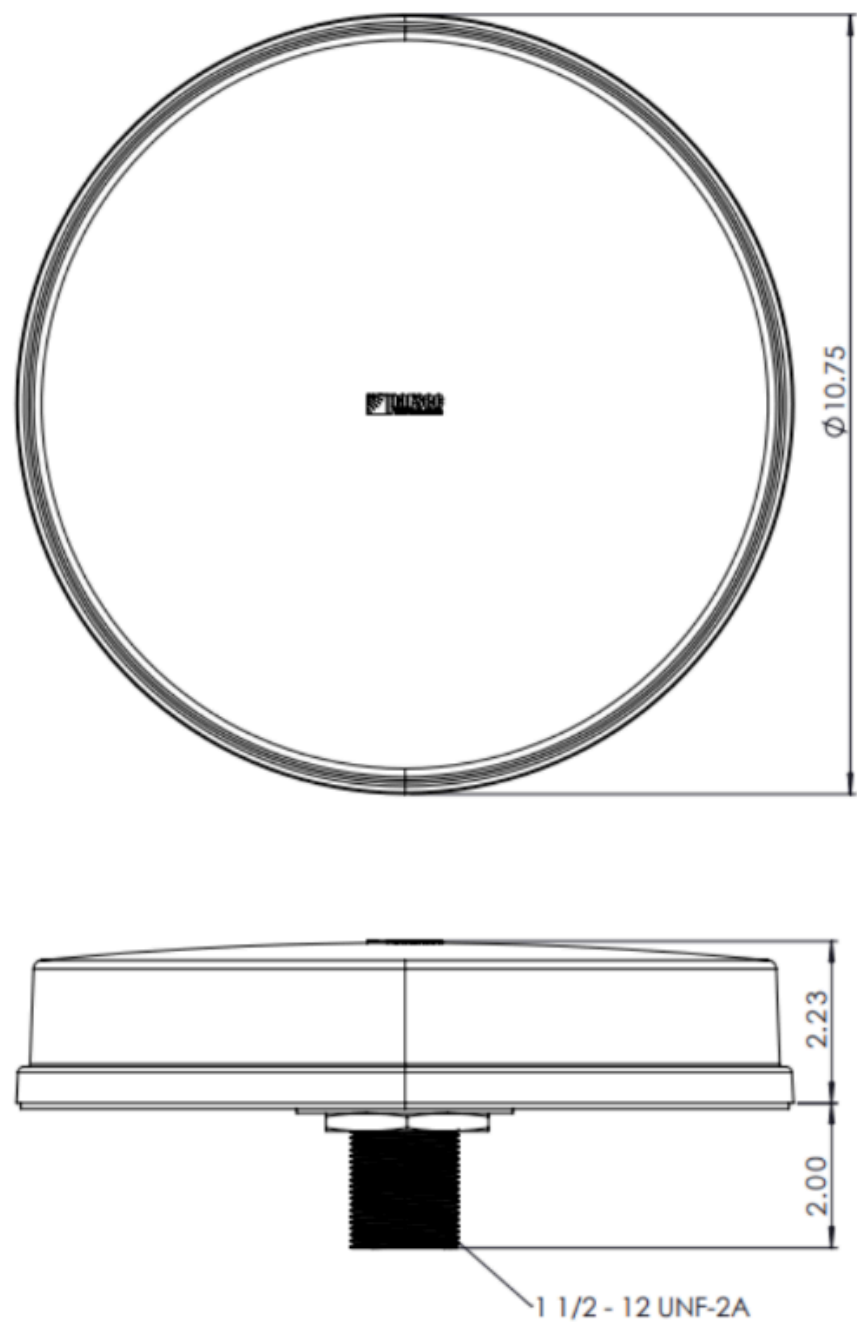


Figure 1. Husky Blueprint

Electrical Specifications

<i>ID</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Radiated Efficiency (%)	CELL - 1, 2, 3, 4	617 – 663 MHz	40
	CELL - 1, 2, 3, 4	663 – 746 MHz	50
	CELL - 1, 2, 3, 4	1710 – 2200 MHz	70
	CELL - 1, 2, 3, 4	2200 – 2700 MHz	80
	CELL - 1, 2, 3, 4	3300 – 4000 MHz	85
	CELL - 1, 2, 3, 4	5150 – 5925 MHz	80
	CELL - 5, 6, 7, 8	746 – 798 MHz	40
	CELL - 5, 6, 7, 8	798 – 894 MHz	40
	CELL - 5, 6, 7, 8	1710 – 2000 MHz	60
	CELL - 5, 6, 7, 8	2000 – 2700 MHz	70
	CELL - 5, 6, 7, 8	3300 – 4000 MHz	80
	CELL - 5, 6, 7, 8	5150 – 5925 MHz	65
	Wi-Fi - 1, 2	2400 – 2483.5 MHz	60
	Wi-Fi - 1, 2	4900 – 5900 MHz	60
Peak Gain (dBi)	CELL - 1, 2, 3, 4	617 – 663 MHz	2.5
	CELL - 1, 2, 3, 4	663 – 746 MHz	5
	CELL - 1, 2, 3, 4	1710 – 2200 MHz	6
	CELL - 1, 2, 3, 4	2200 – 2700 MHz	7
	CELL - 1, 2, 3, 4	3300 – 4000 MHz	8
	CELL - 1, 2, 3, 4	5150 – 5925 MHz	8
	CELL - 5, 6, 7, 8	746 – 798 MHz	3
	CELL - 5, 6, 7, 8	798 – 894 MHz	3
	CELL - 5, 6, 7, 8	1710 – 2000 MHz	6
	CELL - 5, 6, 7, 8	2000 – 2700 MHz	7
	CELL - 5, 6, 7, 8	3300 – 4000 MHz	8
	CELL - 5, 6, 7, 8	5150 – 5925 MHz	8
	Wi-Fi - 1, 2	2400 – 2483.5 MHz	7
	Wi-Fi - 1, 2	4900 – 5900 MHz	9
Return Loss 50 Ω (dB)	CELL - 1, 2, 3, 4	617 – 663 MHz	6
	CELL - 1, 2, 3, 4	663 – 746 MHz	8
	CELL - 1, 2, 3, 4	1710 – 2200 MHz	11
	CELL - 1, 2, 3, 4	2200 – 2700 MHz	8
	CELL - 1, 2, 3, 4	3300 – 4000 MHz	6
	CELL - 1, 2, 3, 4	5150 – 5925 MHz	6
	CELL - 5, 6, 7, 8	746 – 798 MHz	10
	CELL - 5, 6, 7, 8	798 – 894 MHz	5
	CELL - 5, 6, 7, 8	1710 – 2000 MHz	9
	CELL - 5, 6, 7, 8	2000 – 2700 MHz	5
	CELL - 5, 6, 7, 8	3300 – 4000 MHz	6

	CELL - 5, 6, 7, 8 GPS Wi-Fi - 1, 2 Wi-Fi - 1, 2	5150 – 5925 MHz 1575.42 MHz 2400 – 2483.5 MHz 4900 – 5900 MHz	3 10 11 6
Isolation (dB)	CELL MIMO 1	617 – 746 MHz	16
	CELL MIMO 1	1710 – 2200 MHz	18
	CELL MIMO 1	2200 – 2700 MHz	21
	CELL MIMO 1	3300 – 4000 MHz	25
	CELL MIMO 1	5150 – 5925 MHz	30
	CELL MIMO 5	746 – 894 MHz	10
	CELL MIMO 5	1710 – 2700 MHz	14
	CELL MIMO 5	3300 – 4000 MHz	16
	CELL MIMO 5	5150 – 5925 MHz	30
	CELL Adjacent	617 – 746 MHz	6
	CELL Adjacent	746 – 894 MHz	8
	CELL Adjacent	1710 – 2000 MHz	14
	CELL Adjacent	2000 – 2700 MHz	20
	CELL Adjacent	3300 – 4000 MHz	18
	CELL Adjacent	5150 – 5925 MHz	25
	Wi-Fi	2400 – 2483.5 MHz	23
	Wi-Fi	4900 – 5900 MHz	22
Polarization (dBi)	CELL, Wi-Fi		Linear
Max Input Power (Watts)	CELL, Wi-Fi		5
RF Connectors	CELL Wi-Fi		SMA(M) RP-SMA(M)
RF Cable Type	CELL, Wi-Fi		LSR200
- Isolation, return loss, and peak gain do not include cable loss. - Electrical specifications based on antenna with a 2 ft. x 2 ft. external ground plane.			

GNSS Electrical Specifications

<i>ID & Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Antenna + Preamp Gain (dBic)	GPS	L1: 1563 – 1587 MHz L5: 1164 – 1189 MHz	28 26
Polarization	GPS		RHCP
Filter Rejection (dB)	GPS	1625 MHz	TBD
GNSS Preamp Voltage (V)	GPS		3 to 5
GNSS Preamp Current (mA)	GPS		< 45mA
RF Connector	GPS		SMA(M)
RF Cable Type	GPS		LSR100

Part Number Key

(Part number example for a 13:1 Great Pyrenees: PRO13GP8L3WBD15B)

<i>Description</i>	<i>Abbreviation</i>	<i>Part Number</i>
All PRO Series	PRO	PRO
Number of Antenna in Housing/Configuration	13:1	PRO13
Antenna Abbreviation for Great Pyrenees	GP	PRO13GP
Number of Cellular Elements	#L	PRO13GP8L
Number of Wi-Fi Elements	#W	PRO13GP8L3W
Number of Bluetooth Elements (usually 1 Bluetooth per Antenna, simply list B and no number)	B	PRO13GP8L3WB
GPS Element: G = L1 GPS, D = L1/L5 Dual Band GPS	G or D	PRO13GP8L3WBD
Cable Length Measured in Feet: 01 = 1 FT	01, 06, 15, etc	PRO13GP8L3WBD15
Radome Color - B for Black, W for White	B or W	PRO13GP8L3WBD15B
If SMA Connectors, simply leave Blank		PRO13GP8L3WBD15B
N Type Female Connector	-NF	PRO13GP8L3WBD15B-NF
QMA Male Connector	-QM	PRO13GP8L3WBD15B-QM
Customization options available: Custom Cable Lengths, Custom Colors, Custom Connectors, Cable Kits, Marine Grade, Custom Cable Labelling. MOQ Applicable. Please contact us for more information at sales@parsec-t.com .		

Ordering Guide

Maximum Configurations

Config.	Part Number	Description
13:1	PRO13GP8L4WD15B	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, 15 ft Cable, Black
	PRO13GP8L4WD15BM	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, 15 ft Cable, Black, Magnetic Mount
	PRO13GP8L4WD15B-MG	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, 15 ft Cable, Black, Marine Grade
	PRO13GP8L4WD15W	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, 15 ft Cable, White
	PRO13GP8L4WD15WM	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, 15 ft Cable, White, Magnetic Mount
	PRO13GP8L4WD15W-MG	8 Cellular, 4 Wi-Fi, L1/L5 Dual Band GPS, 15 ft Cable, White, Marine Grade
For customizations, such as Connector Type, Cable Length, Color, Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com .		

Hardware Accessories

Mounting Accessories	Part Number
Pole Mount Bracket	PTA0149H
Pole Mount Bracket, Marine Grade, White	PTA0149H-MG-W
Pole Mount Bracket, Marine Grade, Black	PTA0149H-MG-B
Pole Mount Bracket, Horizontal Truss Mounting	PTA0149H-F
Pole Mount Bracket, Heavy Duty, High Vibration	PTA0721
Accessories	
1.5" - 6" Shaft Extender	PTA0635C
Ground Plane with Adhesive Back, 20 in x 20 in, 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
Replacement Parts	
Roof Mount Kit - Gasket, Nut, Washer	PTA0610
Replacement Magnets for Magnetic Boot	PTA0212-2
Replacement Rooftop Gasket	PTA0187
Hardware Kit for 1.5" Shaft - Nut/Washer	PTA0761
1.5" Star Washer	PTA0257