



Parsec's Mini Dalmatian Series. a small form factor NEMA enclosure with the antenna built in. The Mini Dalmatian supports up to 4x4 MIMO Cellular, 4x4 MIMO Wi-Fi, and GNSS. This rugged enclosure with omnidirectional antenna works on all common North American cellular bands. Also supports CBRS and LAA.

With the Mini Dalmatian you can mix cellular with private cellular. This new best of breed product for security mobilizing Zero Touch Secure Wireless Network™ technology for tamper proof solution designed with RightPath Signal Technology™ for extended coverage and constant connectivity. Perfect for security, Edge connectivity, remote locations, LPR, video monitoring, and keeping your network secure.

Patent Pending



Configurations 4:1 | 7:1 | 8:1 | 9:1
Public Wi-Fi | Enterprise | Traffic Control Boxes



ZERO TOUCH™
SECURE WIRELESS NETWORK

Tamper Proof Lockable Enclosure

Protected Assets & Network

Hide In Plain Sight

Antennas Built Into Enclosure

Easy Install

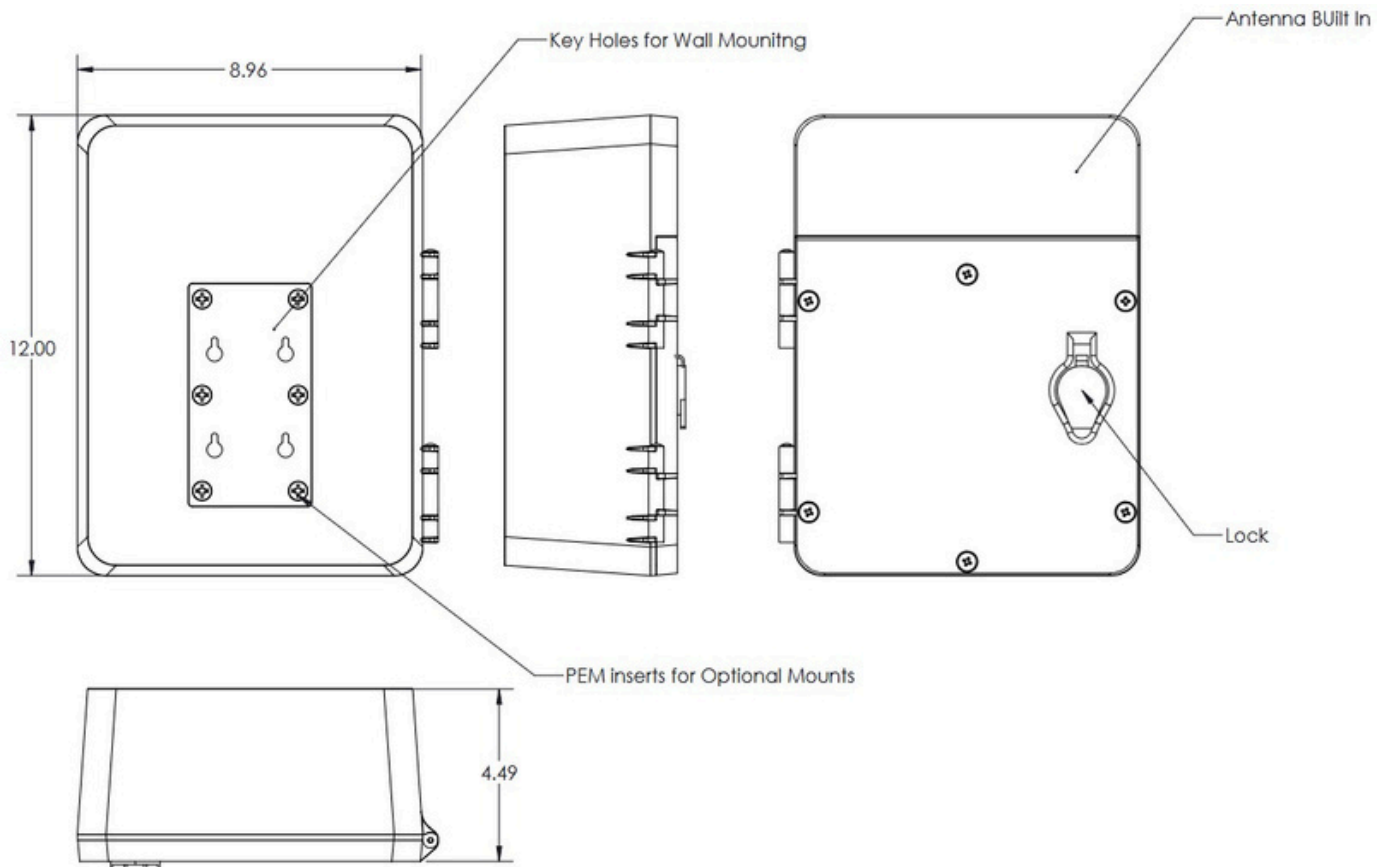
All-In-One NEMA Enclosure

- 4X4 MIMO CELLULAR
- 4X4 MIMO Wi-Fi
- RUGGEDIZED
- NO CABLE LOSS
- OPTIONAL GPS
- 12 in X 8.96 in X 4.49 in

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
		GPS	1575.42 MHz
4G/5G Bands			
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		
Mechanical		Environmental	
Dimensions	12 inch X 8.96 inch X 4.49 inch	Operating Temperature	-40°C to 85°C
Mounting	Pole Mount or Wall Mount	Ingress Protection	IP654 Waterproof *when all ports and lid are closed
Connectors	CELL: SMA(M) Wi-Fi: RP-SMA(M) GPS: SMA(M)	RF Cable Length	10 inch pigtails
Max Router Configuration		4 Cellular, 4 Wi-Fi, GPS	
- For customizations, such as Connector Type, Cable Length, Color, Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com - For different router configurations, reach out to Parsec for more information. - Temperature range is for antenna only. Equipment installed inside the enclosure may have a different temperature range.			
*Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed.			

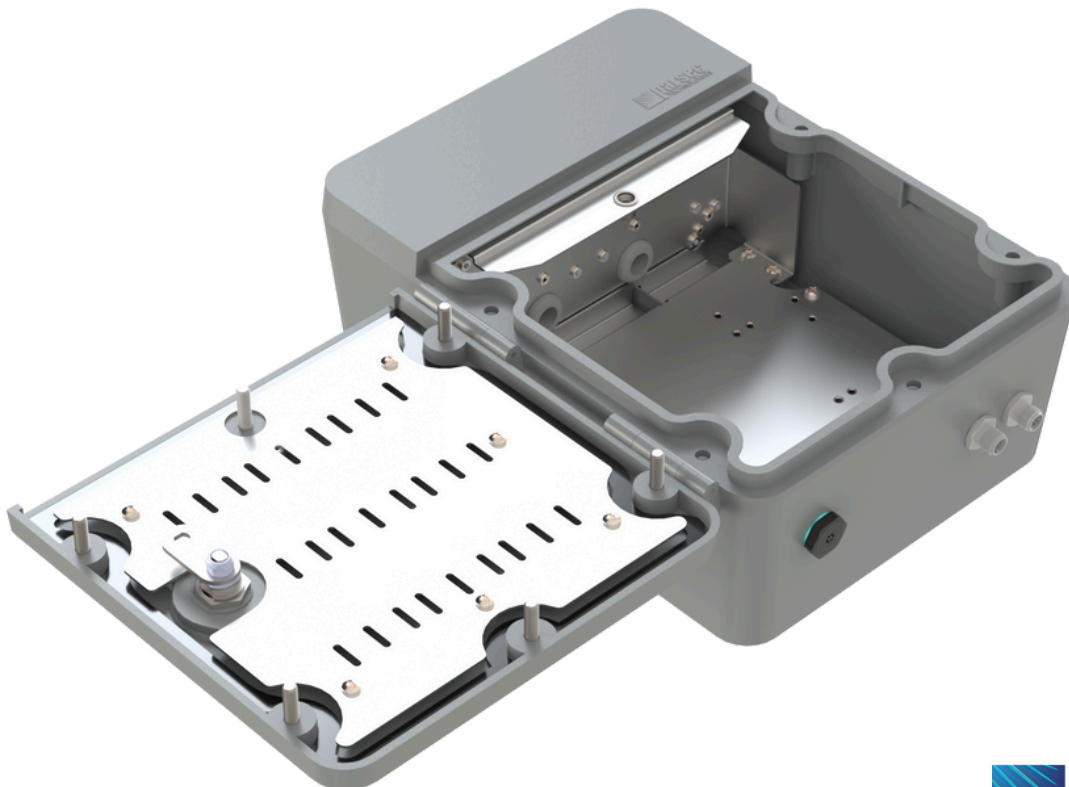
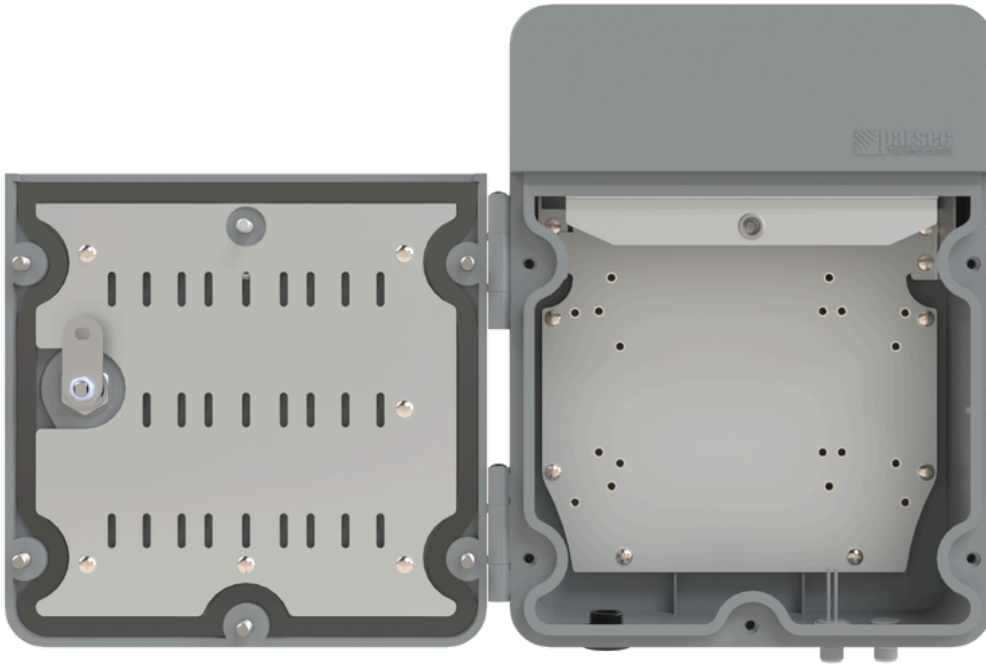
Dimensions



Product Images



Product Images Cont'd



Electrical Specifications

<i>ID & Unit</i>	<i>Port</i>	<i>Parameters</i>	<i>Typ.</i>
Radiated Efficiency (%)	CELL 1 thru 4	617 – 663 MHz	45
	CELL 1 thru 4	663 – 894 MHz	55
	CELL 1 thru 4	1710 – 2300 MHz	50
	CELL 1 thru 4	2300 – 2700 MHz	70
	CELL 1 thru 4	3300 – 4000 MHz	80
	CELL 1 thru 4	5150 – 5925 MHz	70
	GPS	1575.42 MHz	80
	Wi-Fi 1 thru 4	2400 – 2483.5 MHz	75
	Wi-Fi 1 thru 4	4900 – 5900	70
Peak Gain (dBi)	CELL 1 thru 4	617 – 663 MHz	-0.5
	CELL 1 thru 4	663 – 746 MHz	0.5
	CELL 1 thru 4	1710 – 2300 MHz	2
	CELL 1 thru 4	2300 – 2700 MHz	4
	CELL 1 thru 4	3300 – 4000 MHz	6
	CELL 1 thru 4	5150 – 5925 MHz	7
	GPS	1575.42 MHz	6
	Wi-Fi 1 thru 4	2400 – 2483.5 MHz	5
	Wi-Fi 1 thru 4	4900 – 5900 MHz	6
Return Loss 50 Ω (dB)	CELL 1 thru 4	617-798 MHz	9.5
	CELL 1 thru 4	798 – 894 MHz	8
	CELL 1 thru 4	1710 – 1850 MHz	9.5
	CELL 1 thru 4	1850 – 2700 MHz	11
	CELL 1 thru 4	3300 – 4000 MHz	12
	CELL 1 thru 4	5150 – 5925 MHz	6
	GPS	1575.42 MHz	10
	Wi-Fi 1 thru 4	2400 – 2483.5 MHz	10
	Wi-Fi 1 thru 4	4900 – 5900 MHz	11
Isolation (dB)	CELL	617-746 MHz	6
	CELL	746 – 859 MHz	8
	CELL	859 – 894 MHz	10
	CELL	1710 – 2300 MHz	14
	CELL	2300 – 2700 MHz	16
	CELL	3300 – 4000 MHz	17
	CELL	5150 – 5925 MHz	25
	Wi-Fi	2400 – 2483.5 MHz	17

	Wi-Fi	4900 – 5900 MHz	15
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		RG-316
- Isolation, return loss, and peak gain does not include cable loss. - Electrical specifications based on antenna mounted away from other conductors			

GNSS Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Antenna + Preamp Gain (dBic)	GPS	1570-1581 MHz	28
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 Mini Dalmatian antenna, Grey: PRO9MDM4L4WGG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	9:1	PRO9
Antenna Abbreviation for Mini Dalmatian	MDM	PRO9MDM
Number of CELL Elements	#L	PRO9MDM4L
Number of Wi-Fi Elements	#W	PRO9MDM4L4W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO9MDM4L4WG
Radome Color – G for Grey	G	PRO9MDM4L4WGG
SMA connector, simply leave blank		PRO9MDM4L4WGG
For customizations, such as Connector Type, Cable Length, Configuration, and Branding, please reach out to Parsec at sales@parsec-t.com		

Ordering

Standard Antennas

<i>Configurations</i>	<i>Part Number</i>	<i>Description</i>
4:1	PRO4MDM4LG	4 Cellular, Grey
	PRO4MDM4LG-L	4 Cellular, Grey, Fan, Vent
7:1	PRO7MDM4L2WGG	4 Cellular, 2 Wi-Fi, GPS, Grey
	PRO7MDM4L2WGG-L	4 Cellular, 2 Wi-Fi, GPS, Grey, Fan, Vent
8:1	PRO8MDM4L2WBGG	4 Cellular, 2 Wi-Fi, GPS, Grey
	PRO8MDM4L2WBGG-L	4 Cellular, 2 Wi-Fi, GPS, Grey, Fan, Vent
9:1	PRO9DM4L4WGG	4 Cellular, 4 Wi-Fi, GPS, Grey
	PRO9DM4L4WGG-L	4 Cellular, 4 Wi-Fi, GPS, Grey, Fan, Vent

Additional Hardware Accessories

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



Parsec Antennas
972-804-4600
support@parsec-t.com