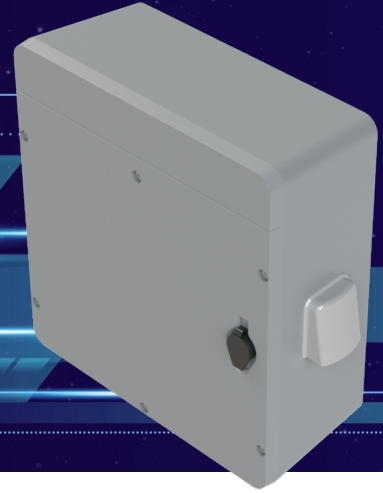




Parsec's Dalmatian series is a new approach to NEMA enclosures. No longer do you have to start from scratch and hope it works. We have taken the guess work out of designing a NEMA enclosure to now guarantee high performance with 5G cellular connectivity. It all starts with optimizing a high performance antenna for the enclosure without the need for a 2ft X 2ft ground plane. Our patent pending design performs just like our best-in-class antennas by extending the cellular footprint. Now the Dalmatian takes our best of breed technology and puts it into a NEMA enclosure. The Dalmatian is flexible and supports up to 6 cellular, 8 Wi-Fi, and up to 2 GPS elements. You can mix cellular with private cellular or run multiple routers at the same time without interference. This is the new best of breed product for security mobilizing Zero Touch Secure Wireless Network™ technology for a 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 | 15:1

Primary & Failover | Remote Video Monitoring | Network Security



Tamper Proof Lockable Enclosure

Protected Assets & Network

Hide In Plain Sight

Antennas Built Into Enclosure

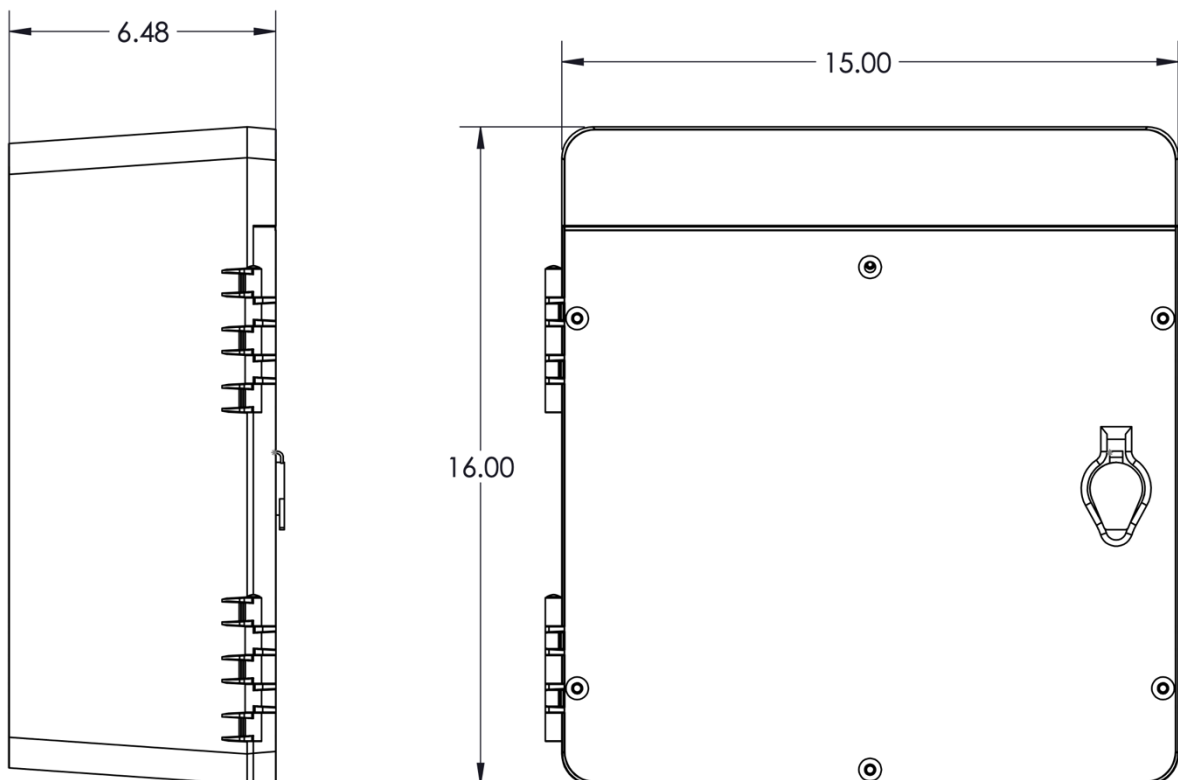
Easy Install

- Up to 6X6 MIMO CELLULAR
- Up to 8X8 MIMO Wi-Fi
- GPS
- OMNI-DIRECTIONAL
- 600 MHz – 6 GHz
- 15 in X 16 in X 6.48 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
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	15 inch X 16 inch X 6.48 inch	Operating Temperature	-40 °C to 85°C OR - 85°F to 180°F
Mounting	Pole Mount	Ingress Protection	IP67 When Closed

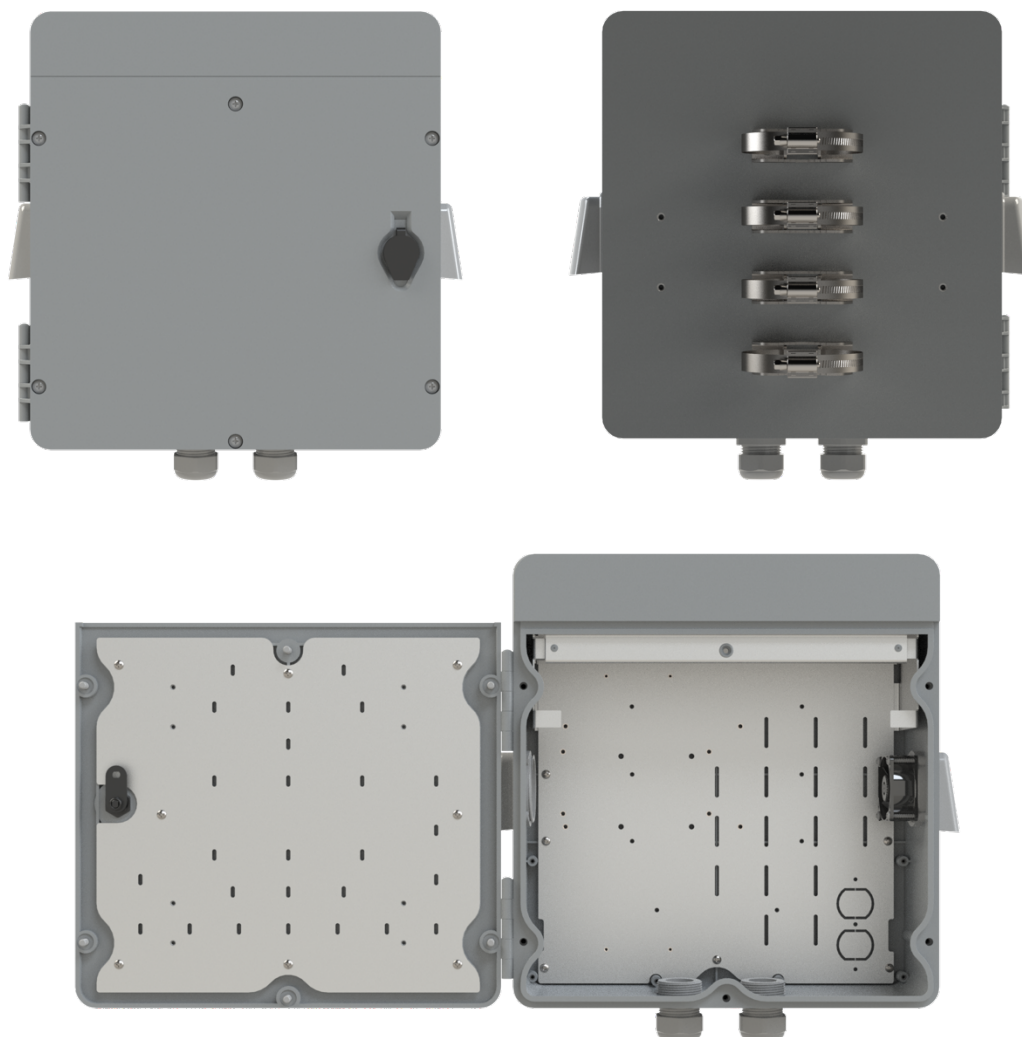
Dimensions



Product Images Standard Version



Product Images L-Version



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1 thru 4	617-698 MHz	75
	CELL 1 thru 4	698-894 MHz	80
	CELL 1 thru 4	1710-1850 MHz	75
	CELL 1 thru 4	1850-2700 MHz	80
	CELL 1 thru 4	3300-4000 MHz	75
	CELL 1 thru 4	5150-5925 MHz	70
	Wi-Fi 1 thru 4	2400-2438.5 MHz	80
	Wi-Fi 1 thru 4	4900-5900 MHz	80
Peak Gain (dBi)	CELL 1 thru 4	617-698 MHz	2.5
	CELL 1 thru 4	698-894 MHz	3
	CELL 1 thru 4	1710-2200 MHz	4.5
	CELL 1 thru 4	2200-2700 MHz	5
	CELL 1 thru 4	3300-4000 MHz	6
	CELL 1 thru 4	5150-5925 MHz	5.5
	Wi-Fi 1 thru 4	2400-2438.5 MHz	4
	Wi-Fi 1 thru 4	4900-5900 MHz	5.5
Return Loss 50Ω (dB)	CELL 1 thru 4	617-894 MHz	12
	CELL 1 thru 4	1710-1850 MHz	9.5
	CELL 1 thru 4	1850-2400 MHz	11
	CELL 1 thru 4	2400-2700 MHz	9.5
	CELL 1 thru 4	3300-3800 MHz	10
	CELL 1 thru 4	3800-4000 MHz	8
	CELL 1 thru 4	5150-5925 MHz	8
	Wi-Fi 1 thru 4	2400-2438.5 MHz	12
	Wi-Fi 1 thru 4	4900-5900 MHz	12
Isolation (dB)	CELL	617-698 MHz	7
	CELL	698-894 MHz	8
	CELL	1710-2400 MHz	17
	CELL	2400-2700 MHz	13
	CELL	3300-4000 MHz	18
	CELL	5150-5925 MHz	22
	Wi-Fi	2400-2483.5 MHz	13
	Wi-Fi	4900-5900 MHz	22
Polarization (dBi)	CELL, Wi-Fi		Linear
Max Input Power (Watts)	CELL, Wi-Fi		10
RF Connectors	CELL		SMA(M)
	Wi-Fi		RP-SMA
RF Cable Type	CELL, Wi-Fi		RG-316
	GPS		LSR100

- Isolation, return loss, and peak gain does not include cable loss.
- Performance will be degraded if the antenna is mounted close to wiring or metal wall studs.
- SMA connectors have a max torque of 3-5 inch lbs.

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 8:1 Dalmatian antenna, Grey: PRO8DM4L2WBGG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	8:1	PRO8
Antenna Abbreviation for Dalmatian	DM	PRO8DM
Number of CELL Elements	#L	PRO8DM4L
Number of Wi-Fi Elements	#W	PRO8DM4L2W
Number of Bluetooth Elements	B	PRO8DM4L2WB
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO8DM4L2WBG
Radome Color – G for Grey	G	PRO8DM4L2WBGG
SMA connector, simply leave blank		PRO8DM4L2WBGG
L-Version with 1 AC power strip, fan and vent	-L	PRO8DM4L2WBGG -L

Ordering

Standard Antennas

Configurations	Part Number	Description
4:1	PRO4DM4LG	4 Cellular, Grey
	PRO4DM4LG-L	4 Cellular, Grey, Fan, Vent, Qty.2 Cable Glands, Pole Mount Kit, AC Power Strip
	PRO4DM4LG-NM	4 Cellular, Grey, NM Connectors
	PRO4DM4LG-NM-L	4 Cellular, Grey, NM Connectors, Fan, Vent, Qty.2 Cable Glands, Pole Mount Kit, AC Power Strip
7:1	PRO7DM4L2WGG	4 Cellular, 2 Wi-Fi, GPS, Grey
	PRO7DM4L2WGG-L	4 Cellular, 2 Wi-Fi, GPS, Grey, Fan, Vent, Qty.2 Cable Glands, Pole Mount Kit, AC Power Strip
8:1	PRO8DM4L2WBGG	4 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey
	PRO8DM4L2WBGG-L	4 Cellular, 2 Wi-Fi, Bluetooth, GPS, Grey, Fan, Vent, Qty.2 Cable Glands, Pole Mount Kit, AC Power Strip
9:1	PRO9DM4L4WGG	4 Cellular, 4 Wi-Fi, GPS, Grey
	PRO9DM4L4WGG-L	4 Cellular, 4 Wi-Fi, GPS, Grey, Fan, Vent, Qty.2 Cable Glands, Pole Mount Kit, AC Power Strip
15:1	PRO15DM6L8WGG	6 Cellular, 8 Wi-Fi, GPS, Grey
	PRO15DM6L8WGG-L	6 Cellular, 8 Wi-Fi, GPS, Grey, Qty.2 Cable Glands, Pole Mount Kit, AC Power Strip

Additional Hardware Accessories

Accessory	Part Number
Dalmatian Wall Mount Bracket	PTA1001
Dalmatian Pole/Wall Mount Bracket	PTA1002
SMA Wrench, Key Chain	PTA0194



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