



Parsec's PRO5WP 4L B14 is a rugged, directional cellular antenna with 5 separate ports to support 4x4 MIMO cellular plus Band 14 HPUE. The PRO5WP 4L B14 works on all the common North American cellular bands. The HPUE version of the Whippet further isolates the Band 14 FirstNet element for maximum throughput in a directional pattern. The advantage of the Whippet is to connect to a cell tower at a distance in the case of an emergency when the network infrastructure has been compromised.

The Whippet provides primary or failover network solutions with the 4x4 MIMO cellular elements in an IP54-rated housing. The Whippet is optimized for high gain in a directional pattern and excellent port-to-port isolation across mid-band.

Patent Pending



Configurations 5:1

Fixed Wireless | Public Safety | Remote Video Monitoring



Band 14 HPUE Element

Separate high gain Band 14 HPUE Element

Directional

High efficiency: 80% Cellular, 90% Band 14

Durable

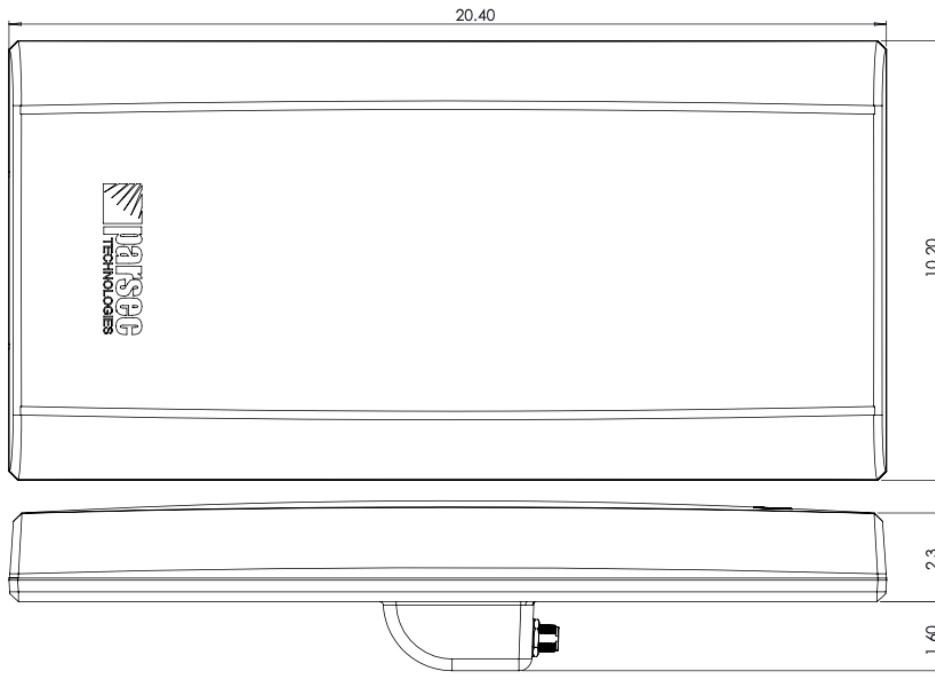
IP54 Rated for Indoor/ Outdoor Mounting

- 4x4 MIMO CELLULAR
- DIRECTIONAL
- 600-6000 MHz
- HIGH EFFICIENCY
- HIGH PERFORMANCE
- 20.39 in X 10.19 in X 4 in

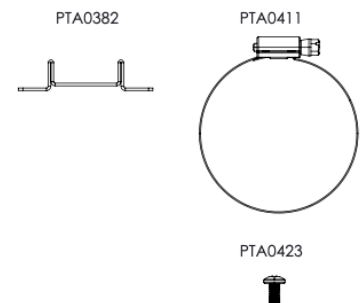
Specifications

Frequencies			
4G/5G Cellular	617-894 MHz 1710-2700 MHz 3300-4000 MHz 5150-5925 MHz	Band 14	758 – 798 MHz
4G/5G Bands			
North America	B2, B4, B5, 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		
Mechanical		Environmental	
Dimensions	20.4 inch X 10.2 inch X 4 inch	Operating Temperature	-40 °C to 85°C OR -40 °F to 180°F
Mounting	Pole mount for 2.5 – 3.5” inch mast diameter	Ingress Protection	IP54 for Outdoor Use

Dimensions



Hardware Accessories Included



Product Images



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2, 3, 4	617 – 798 MHz	65
	CELL 1, 2, 3, 4	798 – 894 MHz	60
	CELL 1, 2, 3, 4	1710 – 2700 MHz	80
	CELL 1, 2, 3, 4	3300 – 4000 MHz	80
	CELL 1, 2, 3, 4	5150 – 5925 MHz	70
	B14	758 – 798 MHz	90
Peak Gain (dBi)	CELL 1, 2, 3, 4	617 – 798 MHz	3
	CELL 1, 2, 3, 4	798 – 894 MHz	4
	CELL 1, 2, 3, 4	1710 – 2700 MHz	6
	CELL 1, 2, 3, 4	3300 – 4000 MHz	6
	CELL 1, 2, 3, 4	5150 – 5925 MHz	6
	B14	758 – 798 MHz	9
Return Loss 50Ω (dB)	CELL 1, 2, 3, 4	617 – 849 MHz	11
	CELL 1, 2, 3, 4	849 – 894 MHz	10
	CELL 1, 2, 3, 4	1710 – 2496 MHz	11
	CELL 1, 2, 3, 4	2496 – 2700 MHz	9.5
	CELL 1, 2, 3, 4	3300 – 3550 MHz	8.5
	CELL 1, 2, 3, 4	3550 – 4000 MHz	5
	CELL 1, 2, 3, 4	5150 – 5470 MHz	8
	CELL 1, 2, 3, 4	5470 – 5925 MHz	4
	B14	758 – 798 MHz	15

Isolation (dB)	CELL 1, 2, 3, 4	617 – 849 MHz	8
	CELL 1, 2, 3, 4	849 – 894 MHz	7.5
	CELL 1, 2, 3, 4	1710 – 2300 MHz	17
	CELL 1, 2, 3, 4	2300 – 2700 MHz	22
	CELL 1, 2, 3, 4	3300 – 4000 MHz	22
	CELL 1, 2, 3, 4	5150 – 5925 MHz	22
	B14	758 – 798 MHz	23
Polarization (dBi)	CELL B14		+/-45 Deg. Vertical
Max Input Power (Watts)	CELL B14		10
RF Connectors	CELL B14		N(F)
- Isolation, return loss, and peak gain do not include cable loss from cable kits. - Type N Brass connector coupling nut: 6.2-9.7 inch lbs.			

Part Number Key & Ordering Guide

Part Number Key (Part number example for the 5:1 Whippet antenna, White: PRO5WP4L1400W-NF)		
Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Elements in Housing/Configuration	5:1	PRO5
Antenna Abbreviation for Whippet	WP	PRO5WP
Number of Cellular Elements	#L	PRO5WP4L
Band 14 Element	14	PRO5WP4L14
18 Inch Cable	00	PRO5WP4L1400
Radome Color: W=White	W	PRO5WP4L1400W
N Type Female Connector	-NF	PRO5WP4L1400W-NF
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering		
The Whippet antenna comes with: • A white color • 18 Inch cables with N Type Female Connectors • No cable kits in PRO5WP4L1400W-NF. An LSR200, LSR240 or LSR400 Cable Kit with N Type Male Connectors is required to connect to the antenna.		
Configurations	Part Number	Description
5:1	PRO5WP4L1400W-NF	4 Cellular, Band 14, White, N(F) Connectors, 18 IN Cable
5:1	PRO5WP4L1400W-NF-ATT15	4 Cellular, Band 14, White, N(F) Connectors, 18 IN Cable, Cable Kit: Qty 5 - LSR200 15 FT N(M) to SMA(M)
• N Type connectors are recommended for outdoor usage due to it being waterproof. • N Type is also best used for cable lengths longer than 25 ft due to it being a stronger connection.		

Hardware Accessories

Accessories	Accessories
5 FT Cable Kit, N(M) to N(M) PC2004L1405NM	PC2004L1405NM
15 FT Cable Kit, N(M) to SMA(M) PC2404L1415NMSM	PC2404L1415NMSM
Lightning Arrestor - SMA(F) to SMA(F) PTA0476	PTA0476
Lightning Arrestor - N(F) to N(M) PTA0736	PTA0736
SMA Wrench, Key Chain PTA0194	PTA0194
Replacement Parts	
Pole Mount Kit	PTA0532



Lightning Arrestor – N(F) to N(M)



Lightning Arrestor – SMA(F) to SMA(F)



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