

The Whippet PRO Series is a full 5G directional 4X4 MIMO cellular, high-performance antenna. The Whippet prevents interference from noise sources, including competing low-band cellular transmissions, while transmitting all the 5G band frequencies for high-speed enterprise data applications from 600-6000 MHz.

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 4:1 | 8:1

Fixed Wireless | Remote Learning | Remote Video Monitoring



Low Interference

Directional to block out interference

High Data Speeds

Designed for high gain, including C-Band

Longer Distance

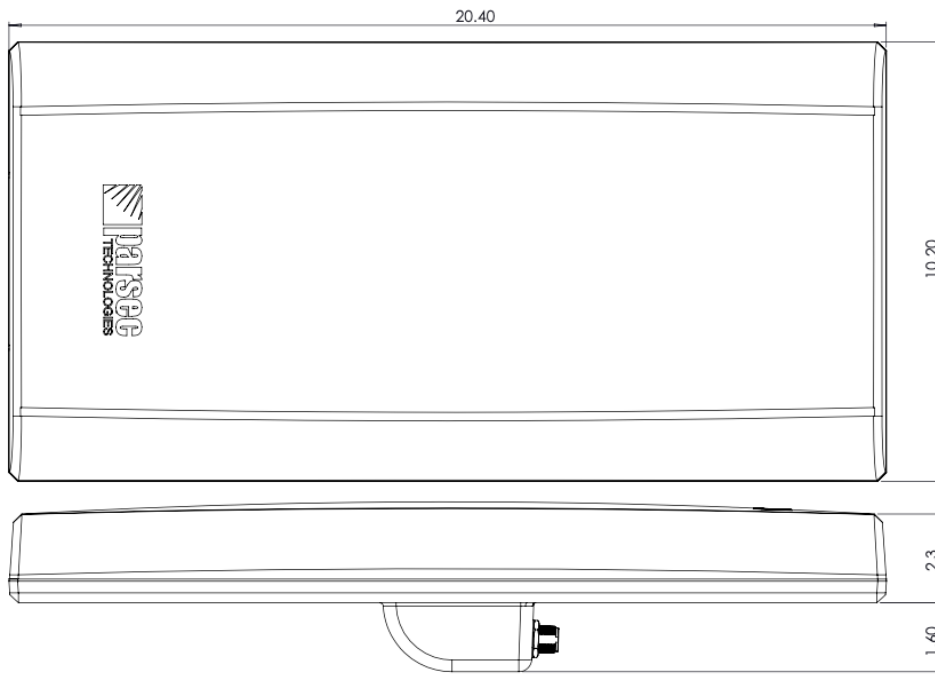
Highly efficient directional antenna

- UP TO 2 SETS OF
4X4 MIMO CELLULAR
- DIRECTIONAL
- 600-6000 MHz
- HIGH EFFICIENCY
- HIGH PERFORMANCE
- 20.39 in X 10.19 in X 4 in

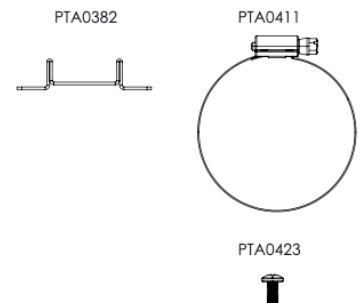
Specifications

Frequencies			
4G/5G Cellular		617–894 MHz 1710–2700 MHz 3300–4000 MHz 5150–5925 MHz	
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 for 4:1

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1 thru 4	617-894MHz	75
	CELL 1 thru 4	1710-2500 MHz	75
	CELL 1 thru 4	2500-2700 MHz	80
	CELL 1 thru 4	3300-3800 MHz	80
	CELL 1 thru 4	3800-4000 MHz	70
	CELL 1 thru 4	5150-5925 MHz	70
Peak Gain (dBi)	CELL 1 thru 4	617-698 MHz	4
	CELL 1 thru 4	698-798 MHz	5
	CELL 1 thru 4	798-894 MHz	6
	CELL 1 thru 4	1710-2500 MHz	8
	CELL 1 thru 4	2500-2700 MHz	7
	CELL 1 thru 4	3300-4000 MHz	7
	CELL 1 thru 4	5150-5925 MHz	7
Return Loss 50 Ω (dB)	CELL 1 thru 4	617-849 MHz	10
	CELL 1 thru 4	849-894 MHz	7
	CELL 1 thru 4	1710-2700 MHz	8
	CELL 1 thru 4	3300-3550 MHz	10
	CELL 1 thru 4	3550-4000 MHz	7.5
	CELL 1 thru 4	5150-5600 MHz	5
	CELL 1 thru 4	5600-5925 MHz	6
Isolation (dB)	CELL 1 thru 4	617-798 MHz	8

	CELL 1 thru 4	798-894 MHz	10
	CELL 1 thru 4	1710-2700 MHz	17
	CELL 1 thru 4	3300-4000 MHz	26
	CELL 1 thru 4	5150-5925 MHz	27
Polarization (dBi)	CELL 1 thru 4		+/-45 Deg.
Max Input Power (Watts)	CELL 1 thru 4		10
RF Connectors	CELL 1 thru 4		N(F)
<ul style="list-style-type: none"> Isolation, return loss, and peak gain do not include cable loss. SMA connectors have a max torque of 3-5 inch lbs. Type N Brass connector coupling nut: 6.2-9.7 inch lbs. 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. 			

Electrical Specifications for 8:1

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1 thru 8	617-798 MHz	65
	CELL 1 thru 8	798-894 MHz	60
	CELL 1 thru 8	1710-2700 MHz	80
	CELL 1 thru 8	3300-4000MHz	80
	CELL 1 thru 8	5150-5925 MHz	75
Peak Gain (dBi)	CELL 1 thru 8	617-798 MHz	3
	CELL 1 thru 8	798-894 MHz	4
	CELL 1 thru 8	1710-2700 MHz	6
	CELL 1 thru 8	3300-4000MHz	6
	CELL 1 thru 8	5150-5925 MHz	6
Return Loss 50Ω (dB)	CELL 1 thru 8	617-849 MHz	11
	CELL 1 thru 8	849-894 MHz	10
	CELL 1 thru 8	1710-2700 MHz	10
	CELL 1 thru 8	3300-3550 MHz	8.5
	CELL 1 thru 8	3550-4000 MHz	5
	CELL 1 thru 8	5150-5600 MHz	8
	CELL 1 thru 8	5600-5925 MHz	5
Isolation (dB)	CELL 1 thru 8	617-798 MHz	8
	CELL 1 thru 8	798-894 MHz	7.5
	CELL 1 thru 8	1710-2700 MHz	17
	CELL 1 thru 8	3300-4000 MHz	23
	CELL 1 thru 8	5150-5925 MHz	22
Polarization (dBi)	CELL 1 thru 8		+/-45 Deg.
Max Input Power (Watts)	CELL 1 thru 8		10
RF Connectors	CELL 1 thru 8		N(F)
<ul style="list-style-type: none"> Isolation, return loss, and peak gain do not include cable loss. 			

- SMA connectors have a max torque of 3–5 inch lbs.
- Type N Brass connector coupling nut: 6.2–9.7 inch lbs.
- 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.

Part Number Key

Part number example for a 4:1 Whippet antenna, White: PRO4WP4LW-NF

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	4:1	PRO4
Antenna Abbreviation for Whippet	WP	PRO4WP
Number of Cellular Elements	#L	PRO4WP4L
Radome Color: W=White	W	PRO4WP4LW
N Type Female Connector	-NF	PRO4WP4LW-NF
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering

Our Whippet antenna come in white with N Type Female connectors and no cable kits.

An LSR240 or LSR400 cable kit with N Type Male connectors is required to connect.

Configurations	Part Number	Description
4:1	PRO4WP4LW-NF	4 Cellular, White, N(F) Connectors
8:1	PRO8WP8LW-NF	2 Sets of 4 Cellular, White, N(F) Connectors
<ul style="list-style-type: none"> • N Type connectors are recommended for outdoor usage due to it being waterproof. • N Type is also best used for cable runs longer than 25 ft due to it being a stronger connection. 		

Additional Hardware Accessories

	Part Number
Pole Mount Kit	PTA0532
Lightning Arrester – SMA(F) to SMA(F)	PTA0476
Lightning Arrester – N(F) to N(M)	PTA0736
SMA Wrench, Key Chain	PTA0194
Service: Cable Sleeving (Priced Per Ft)	Cable Sleeving



Lightning Arrester – N(F) to N(M)



Lightning Arrester – SMA(F) to SMA(F)



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