

The Albatross Evolution series antenna is a high performance, low cost 5G enterprise indoor antenna designed with your budget in mind. Antenna placement indoors is vital to maximize performance on both download and upload speeds. The Albatross now allows you to increase performance with the best available wall mount antenna, keeping you above office furniture and obstructions that would limit the signal path and performance. With 2X2 MIMO cellular and optional GPS in an omni-directional antenna perfect for 2X data speed of cellular coverage inside buildings for POTS replacement, unmanned retail stores, and kiosks. A compact and light weight IP54 rated design with flexible cables makes the Albatross an easy indoor mount. Maximize your router performance with low loss, high efficiency cabling.

Patent Pending



Configurations 2:1 | 3:1

Primary Network | POTS Replacement | IoT Applications



Compact Aesthetic Design

Subtle for Office & Retail

High Data Speeds

High-Capacity Throughput 5G

Easy Install

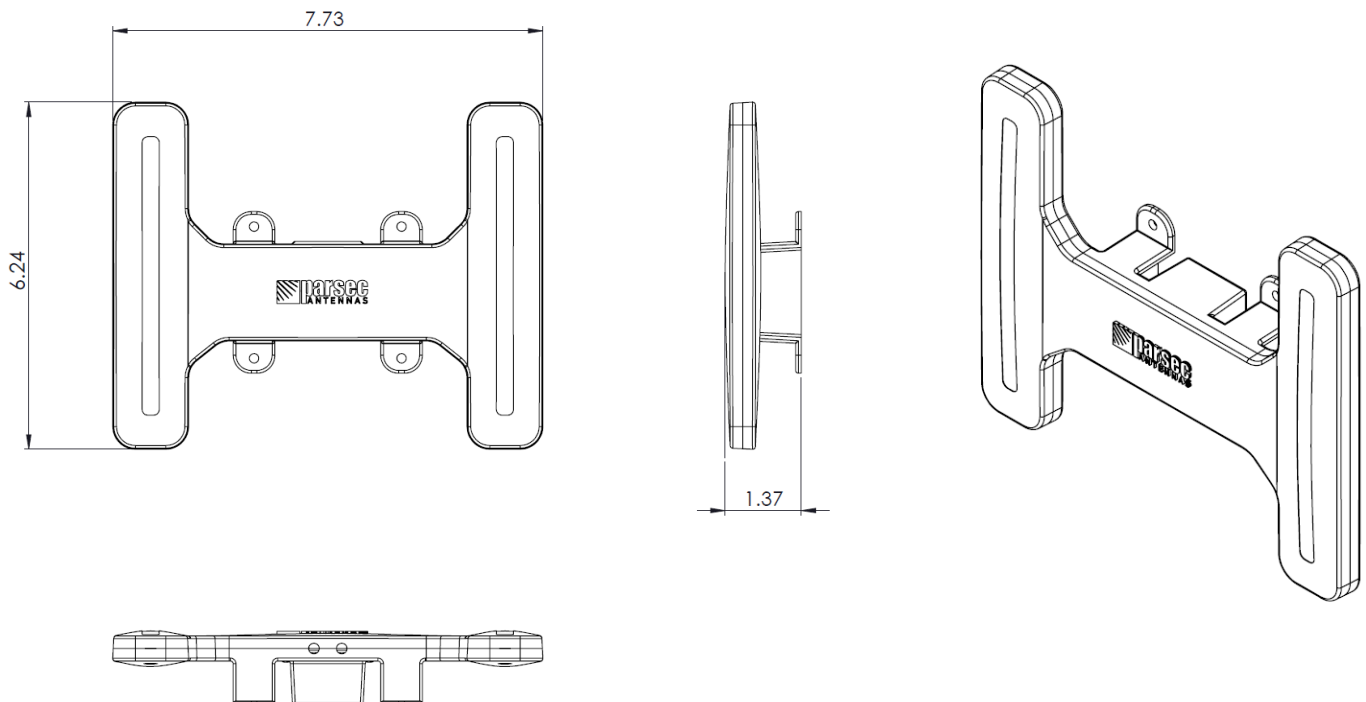
IP54 Rated for Indoor Use

- 2X2 MIMO CELLULAR
- OMNI-DIRECTIONAL
- 600 MHz - 6 GHz
- INDOOR
- OPTIONAL GPS
- 7.73 in X 6.24 in X 1.37 in

Specifications

Frequencies			
4G/5G Cellular		617-894 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 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	7.73 inch X 6.24 inch X 1.37 inch thickness including built in mounting bracket.	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Bracket with screws to a non-metallic surface	Ingress Protection	Indoor Only
RF Cable Length	6 foot		

Dimensions



Product Images



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2	617-698 MHz	50
	CELL 1, 2	698-894MHz	80
	CELL 1, 2	1710-2700 MHz	75
	CELL 1, 2	3400-4000 MHz	55
	CELL 1, 2	5150-5925 MHz	80
Peak Gain (dBi)	CELL 1, 2	617-698 MHz	2.5
	CELL 1, 2	698-894MHz	3
	CELL 1, 2	1710-2700 MHz	4
	CELL 1, 2	3400-4000 MHz	6
	CELL 1, 2	5150-5925 MHz	10
Return Loss 50Ω (dB)	CELL 1, 2	617-698 MHz	2
	CELL 1, 2	698-894MHz	7
	CELL 1, 2	1710-2700 MHz	7
	CELL 1, 2	3400-4000 MHz	6
	CELL 1, 2	5150-5925 MHz	8
Isolation (dB)	CELL 1, 2	617-698 MHz	13
	CELL 1, 2	698-894MHz	11
	CELL 1, 2	1710-2700 MHz	15
	CELL 1, 2	3400-4000 MHz	17
	CELL 1, 2	5150-5925 MHz	20

Polarization (dBi)	CELL		Linear
Max Input Power (Watts)	CELL		5
RF Connectors	CELL		SMA(M)
RF Cable Type	CELL		LSR200
<ul style="list-style-type: none"> 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. NF connectors have a max torque of 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. 			

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 3:1 Albatross antenna, white: PTA3AB2LG06

Description	Abbreviation	Part Number
All PTA Series	PTA	PTA
Antenna Abbreviation for Albatross	AB	PTA3AB
Number of CELL Elements	#L	PTA3AB2L
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PTA3AB2LG
Cable Length Measured in Feet: 01=1', 15=15'	01, 15, etc.,	PTA3AB2LG06
If SMA Connector, Simply Leave Blank		PTA3AB2LG06
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering

Standard Antennas

Configurations	Part Number	Description
2:1	PTA2AB2L06W	2 Cellular, 6 ft Cable, White
	PTA2AB2L10W	2 Cellular, 10 ft Cable, White

Non-Standard Antennas

Configurations	Part Number	Description
3:1	PTA3AB2LG06W	2 Cellular, GPS, 6 ft Cable, White
	PTA3AB2LG10W	2 Cellular, GPS, 10 ft Cable, White

Additional Hardware Accessories

Accessory	Part Number
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



Parsec Antennas
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