



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



1st
to 5G

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

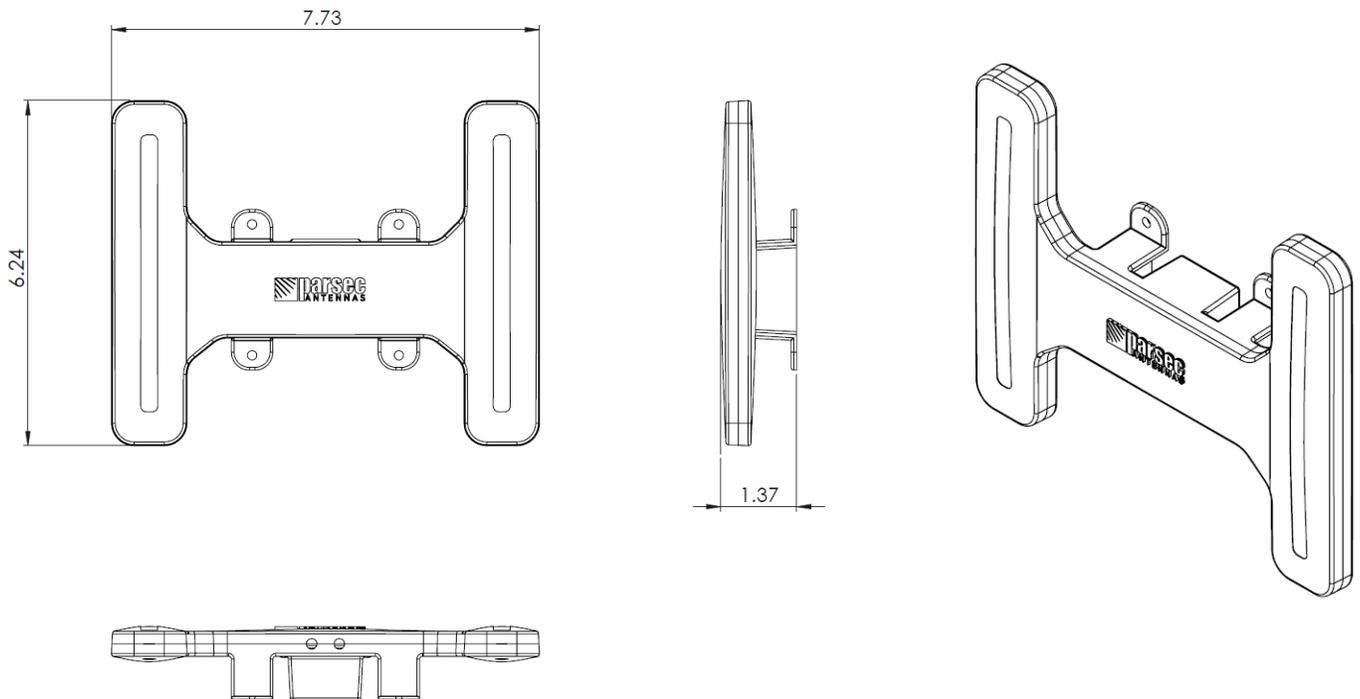
IP54 Rated for Indoor Use

- 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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