



The Thunderbird PTA Series antenna is a 5G, omni-directional screw on antenna. The Thunderbird is designed for high performance of 600 MHz to 6 GHz 5G frequencies for remote learning and kiosk network solutions.

This PTA Series, paddle antenna is ground independent and adjustable up to a 90-degree angle to perform at high efficiency on indoor routers and modems. Ideal for easy install and cost-effective network solutions.

Patent Pending



## Configuration 1:1

Remote Learning K-12 | Fixed Wireless | Self-Service Kiosks

### No Cable Management

Directly Mount to Router

### Adjustable

Up to 90-Degree Angle Adjustments

### Easy Install

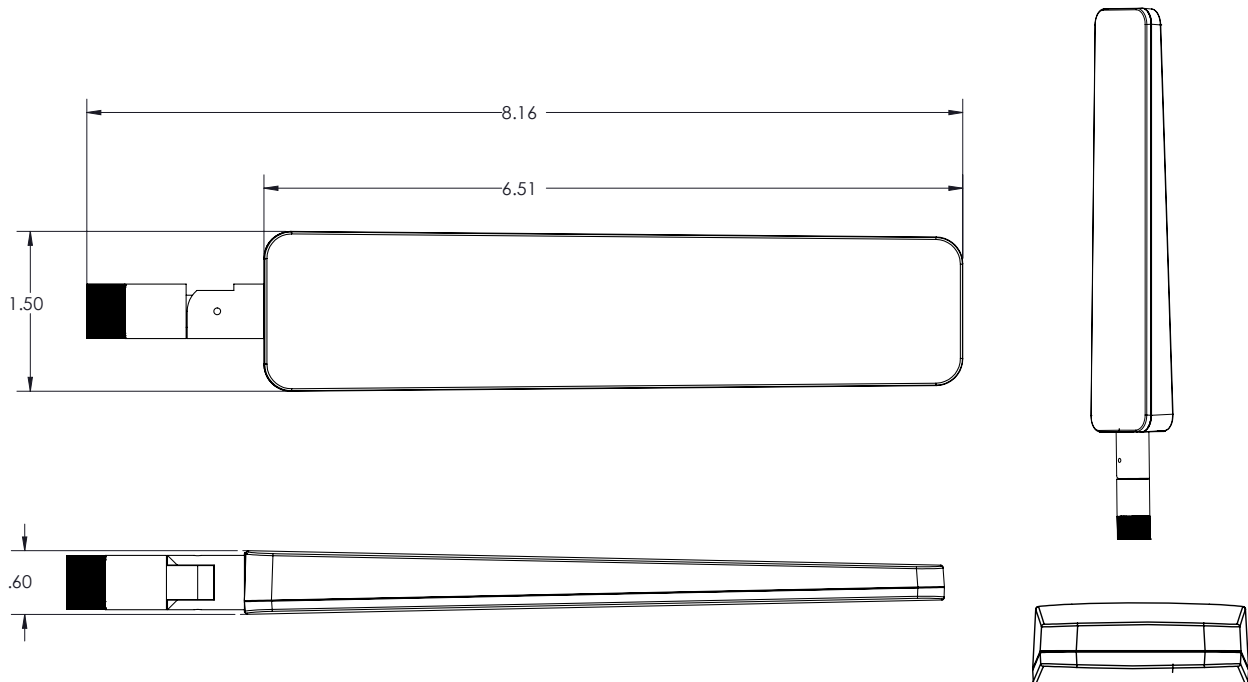
Screw On Mounting for Quick Install

- OMNI-DIRECTIONAL
- 600-6000 MHz
- AESTHETIC DESIGN
- 8.16 in X 1.50 in X 0.60 in
- ADJUSTABLE
- INDOOR MOUNT

## Specifications

Frequencies			
4G/5G Cellular		617-960 MHz 1427-2700 MHz 3300-5000 MHz 5150-5925 MHz	
4G/5G Bands			
North America	B2, B4, B5, B7, B12, B14, B17, B24, B25, B26, B29, B30, B41, B46, B48, B66, B71 n2, n5, n12, n25, n26, n41, n48, n66, n70, n71, n77		
EMEA	B1, B3, B7, B8, B20, B28, B32, B42, B43, B46 n1, n3, n8, n28, n77, n78		
Mechanical		Environmental	
Dimension	8.16 inch X 1.50 inch X 0.60 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Directly Screws on to SMA Male Connector	Ingress Protection	Indoor

## Dimensions



## Product Images



## Electrical Specifications

ID & Unit	Parameters	Typ.
Radiated Efficiency (%)	617-698 MHz	75
	698-817 MHz	75
	817-960 MHz	75
	1427-1525 MHz	70
	1525-2700 MHz	80
	3300-4200 MHz	70
	4400-5000 MHz	65
	5150-5925 MHz	60
Peak Gain (dBi)	617-698 MHz	1
	698-817 MHz	1
	817-960 MHz	1
	1427-1525 MHz	1
	1525-2700 MHz	2.5
	3300-4200 MHz	3.5
	4400-5000 MHz	3.5

	5150-5925 MHz	2.5
Return Loss 50Ω (dB)	617-698 MHz	5
	698-817 MHz	7
	817-960 MHz	8
	1427-1525 MHz	6
	1525-2700 MHz	9
	3300-4200 MHz	8
	4400-5000 MHz	7
	5150-5925 MHz	6
Polarization (dBi)		Linear
Max Input Power (Watts)		5
RF Connectors		SMA(M)

## Part Number Key

*Part number example of a 1:1 Thunderbird antenna: PTATBLB*

Description	Abbreviation	Part Number
All PTA Series	PTA	PTA
Antenna Abbreviation for Thunderbird	TB	PTATB
Number of CELL Elements	#L	PTATBL
Radome color - B for Black, W for White	B	PTATBLB
Custom connectors and cable kits are available. Please contact us for more information at <a href="mailto:sales@parsec-t.com">sales@parsec-t.com</a> .		

## Ordering

Configurations	Part Number	Description
1:1	PTATBLB	Thunder Bird 0.6-6 GHz, Black



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