



The Akita HPUE Optimized PRO Series wall or pole mount antenna is a 4G/5G capable, omni-directional antenna with 2X2 MIMO cellular elements, band 14 element, and GPS. The HPUE version of the Akita further isolates the band 14 FirstNet element for maximum throughput in an omni-directional pattern. The advantage of the Akita is to connect to multiple cell towers in the case of an emergency when the network infrastructure has been compromised.

This PRO series, IP54 rated antenna can be mounted indoor, outdoor, pole mounted, or wall mounted to perform at high efficiency on 600 MHz -6 GHz bands for public safety use.

Patent Pending



1st to
5G

Configurations 4:1

Primary & Failover | Video Streaming | Remote Monitoring



High Power User Equipment

Maximum Range, Coverage, & Capacity

High Data Speeds

Band 14 Designed with High Gain

Durable

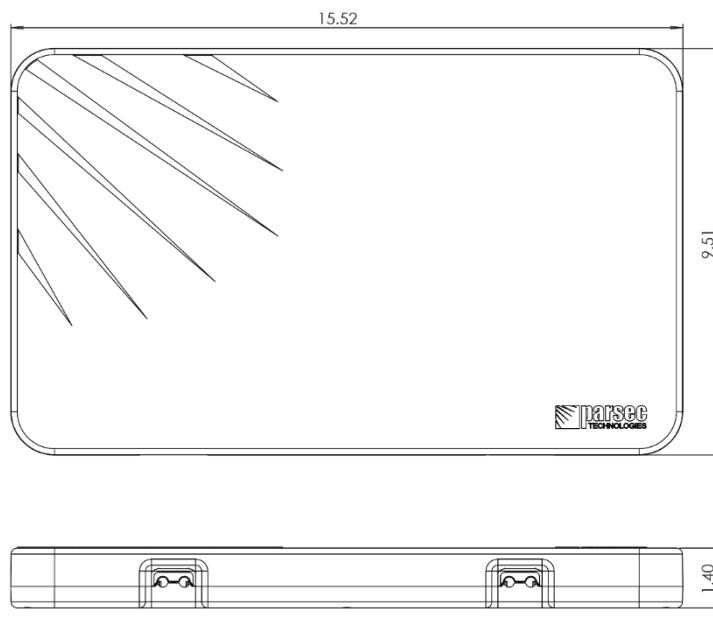
IP54 Rated for Indoor/ Outdoor Mounting

- 2X2 MIMO CELLULAR
- BAND 14
- WALL OR POLE MOUNT
- OMNI-DIRECTIONAL
- 600 MHz - 6 GHz
- GPS
- 15.50 in X 9.50 in X 1.40 in

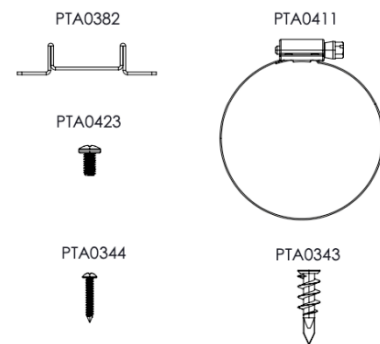
Specifications

Frequencies			
4G/5G Cellular		617-6000 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, BB32, B42, B43, B46 n1, n3, n8, n28, n77, n78		
Mechanical		Environmental	
Dimension	15.52 inch X 9.51 inch X 1.40 inch thickness excluding mounting bracket	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Mounting	Screws to a non- metallic surface. Pole mount for 2.5- 3.5 inch mast.	Ingress Protection	IP54 Outdoor
RF Cable Length	1 ft and 15 ft		
<ul style="list-style-type: none">Pole mount consists of two worm drive clamps and related hardware.Optional 50 ft LSR400 cable kits are available.			

Dimensions



Hardware Accessories Included



Product Images



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1, 2	617-663 MHz	70
	CELL 1, 2, B14	663-930 MHz	80
	CELL 1, 2	930-1427 MHz	70
	CELL 1, 2	1427-1915 MHz	85
	CELL 1, 2	1915-6000 MHz	70
	GPS	1575.42 MHz	80
Peak Gain (dBi)	CELL 1, 2	617-663 MHz	3
	CELL 1, 2, B14	663-930 MHz	4
	CELL 1, 2	930-1427 MHz	2
	CELL 1, 2	1427-1915 MHz	5
	CELL 1, 2	1915-6000 MHz	5
Return Loss 50Ω (dB)	CELL 1, 2	617-930 MHz	10
	CELL 1, 2, B14	930-1427 MHz	7
	CELL 1, 2	1427-1915 MHz	10
	CELL 1, 2	1915-3980 MHz	7
	CELL 1, 2	3980-6000 MHz	6
	GPS	1575.42 MHz	12

Isolation (dB)	CELL 1 to 2	617-663 MHz	10
	CELL 1 to 2	663-930 MHz	12
	CELL 1 to 2	930-1427 MHz	21
	CELL 1 to 2	1427-1915 MHz	15
	CELL 1 to 2	1960-6000 MHz	16
	CELL 1 to B14	617-663 MHz	15
	CELL 1 to B14	663-930 MHz	20
	CELL 1 to B14	930-1427 MHz	19
	CELL 1 to B14	1427-1915 MHz	18
	CELL 1 to B14	1960-6000 MHz	20
Polarization (dBi)	CELL, B14 GPS		Linear RHCP
Max Input Power (Watts)			10
RF Connectors	CELL B14 GPS		SMA(M) SMA(M) SMA(M)
RF Cable Type	CELL, B14 GPS		LSR240 LSR100
<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 in 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 of a 4:1 Akita HPUE antenna: PRO4A2L14G15W

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of Antennas in Housing/Configuration	4:1	PRO4
Antenna Abbreviation for Akita	A	PRO4A
Number of CELL Elements	#L	PRO4A2L
Band 14 Specifically for HPUE Optimized Products	14	PRO4A2L14
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO4A2L14G
Cable Length Measured in Feet: 01=1', 15=15'	01, 15, etc.,	PRO4A2L14G15
Radome Color - B for Black, W for White	B or W	PRO4A2L14G15W
If SMA Connector, Simply Leave Blank		PRO4A2L14G15W
Additional Options		
N Type Female Connector	-NF	PRO4A2L14G15W-NF
Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com .		

Ordering

Configurations	Part Number	Description
4:1	PRO4A2L14G15W	2 Cellular, Band 14, GPS, 15 ft Cable, White

Additional Hardware Accessories

Accessory	Part Number
Additional Pole Mount Kit	PTA0532
Additional Wall Mount Kit	PTA0459
Suction Cup Mount Kit	PTA0881
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



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