

External Antennas Introduction



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GPS Tracking Location Antennas

Application	Agriculture Animal husbandry Car GPS positioning+ data transmission
Feature	Accurate locating High gain Low standing wave Strong anti-Interference ability
Frequency	1575 .42MHz

GPS Tracking Location Antenna

Best Selling

P/N	SA-B3-04A
Frequency: GPS: 1575.42MHz GSM: 824~960MHz (or 4G optional) WiFi: 2.4GHz	
Connector Type	SMA or Optional
Cable Type	RG174 or Optional

P/N	SA-B4-05A
Frequency: GPS: 1575.42MHz 4G: 698~960MHz/1710~2700MHz	
Connector Type	SMA or Optional
Cable Type	RG174 or Optional

GPS Tracking Location Antennas

Frequency Range

Antenna Type	Frequency (MHz)	Gain (dBI)	VSWR	Polarization	Impedance	Connector Type	Cable Type
GPS Antenna	1575.42MHz	Passive 5dBI Active 29dBI	≤ 1.5	RHCP	50	SMA / FAKRA / GT15 / USB or any other requested	RG174 or any other requested
GLONASS	1602MHz		≤ 1.5		50		
Beidou Compass	1561.098MHz		≤ 1.5		50		
GPS: L1 : 1575.42MHz L2 : 1227MHz Bedidou: B1 : 1561MHz B2 : 1207MHz B3 : 1268MHz GLONASS: L1 = 1602MHz L2 = 1246MHz	1197-1278MHz 1559-1612MHz	90 degrees elevation : ≥ 6 20 degrees elevation : ≥ 0	≤ 2.0		50		
Any combination option can meet your choice (GPS/Glonass/Beidou.. etc.)							

Walkie Talkie Antenna

Application	Walkie Talkie
Feature	Long-range Portability For Commercial For Team Tough environment Sweep Frequency
Frequency	146~174MHz, 403~520MHz, 20~520MHz



Walkie Talkie Antennas

Best Selling

P/N:	SA-05A-O1-01
Frequency: 470~510MHz	
Connector Type	SMA
Length	170mm



Walkie Talkie Antennas

Best Selling

P/N	SA-05B-O2-09
Frequency: 20~520MHz	
Connector	SMA or TNC optional
Length	330mm


LoRa Antennas

Application	Intelligent meter reading Intelligent parking Intelligent agriculture Intelligent security Intelligent street lighting and other fields
Feature	Use license-free frequency bands Proprietary technology Long range transmission Low power consumption
Frequency	433MHz, 450MHz, 450-470MHz, 470-510MHz, 868MHz, 868-900MHz, 915MHz, 900-930MHz..etc.



LoRa Antenna

Best Selling

P/N	SA-05H-L7
Frequency: 433MHz	
Connector Type	SMA
Length	50mm

P/N	SA-05A-L1
Frequency: 868MHz	
Connector Type	SMA
Length	130mm

LoRa Antenna

Best Selling

P/N	SA-05N-L6
Frequency: 900~928MHz	
Connector Type	SMA
Length	50mm

P/N	SA-05D-L
Frequency: 868~930MHz	
Connector Type	N Male
Length	80mm

LoRa Antenna

Best Selling

P/N	SA-05O-L6
Frequency: 915MHz	
Connector Type	SMA
Length	109mm

P/N	SA-08A-L5
Frequency: 900~915MHz	
Connector Type	SMA
Length	197mm

WIFI/WIMAX, WLAN ACCESS point Antenna
IEEE 802.11 a/b/g/n,

Application	To provide broad coverage and different gain options To suite for wireless plan AP, wireless video, GSM, RFID, WIFI , WIMAX , ISM and Hotspot
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WIFI/WIMAX, WLAN ACCESS point Antenna

IEEE 802.11 a/b/g/n,


Frequency Range


Antenna Type	Frequency (MHz)	Gain	VSWR	Band	Impedance	Connector Type	Cable Type
AP Antenna	470~870	0dBi	≤ 3.5	DVB-T	50	SMA/SMB/MCX/MMCX/TNC/BNC or any can be customized	0.81/1.13/1.37/RG178/RG316 or any can be customized
	800/900/1800/1900/2100	0dBi,1dBi,2dBi	≤ 3.5	GSM/ISM	50		
	902~928	0dBi	≤ 3.5	ISM	50		
	2400~2500/ 5150~5850	2dBi, 3dBi, 4dBi, 5dBi, 7dBi, 8dBi, 9dBi,..etc.	≤ 2.0	WLAN	50		
	2400~2500	1dBi,2dBi	≤ 2.0	WLAN	50		
	2500~2700	1dBi, 2dBi, 3dBi, 4dBi, 5dBi, 7dBi, 8dBi, 9dBi..etc.	≤ 2.0	WIMAX	50		



WIFI/WIMAX, WLAN ACCESS point Antenna IEEE 802.11 a/b/g/n,

Best Selling

P/N	SA-C1-05A
Frequency: 2400~2500MHz/ 5150~5350MHz For Indoor use	
Connector Type	SMA
Length	158mm

P/N	SA-FG-C1-05A
Frequency: 2400~2500MHz/ 5150~5850MHz For Outdoor use	
Connector Type	SMA or N Male optional
Length	300mm


UWB Antenna


Application	Tunnel/Subway / Pipe gallery Public security / Prison Chemical plant Hospital / Nursing home Exhibition Gallery / Exhibition Hall Construction Site
Feature	High positioning accuracy High transmission rate Powerful anti-interference ability Low power Extremely wide bandwidth. High gain and low standing wave, strong anti-interference ability.
Frequency	3.1GHz ~10.6GHz



UWB Antenna

Best Selling

P/N	SA-05B-K2
Frequency: 3~5GHz	
Connector Type	SMA or N optional
Length	200mm

P/N	SA-05A-K1
Frequency: 3.2~7GHz	
Connector Type	SMA
Length	204mm


NB-IOT Antenna

Application	Intelligent City Intelligent Home Health Management Utility Metering Intelligent logistic
Feature	Wide coverage Multiple connections Fast speed, Low cost Low power consumption Excellent architecture
Frequency	433/450/470MHz, 868~915MHz, 3G,4G LTE, 5G NR sub 6GHz, 1010~9180MHz



NB-IOT Antenna

Best Selling

P/N	SA-05H-L7
Frequency: 433MHz	
Connector Type	SMA
Length	50mm

P/N	SA-05A-L1
Frequency: 868MHz	
Connector Type	SMA
Length	130mm

NB-IOT Antenna

Best Selling

P/N	SA-05N-L6
Frequency: 902~928MHz	
Connector Type	SMA
Length	50mm

P/N	SA-05D-L
Frequency: 868~930MHz	
Connector Type	N Male
Length	80mm

NB-IOT Antenna

Best Selling


P/N	SA-N-05-02 (3G)
Frequency: 824~960MHz/ 1710~2170MHz	
Connector Type	SMA
Length	80.5mm

P/N	SA-N-05-05 (3G)
Frequency: 824~960MHz/ 1710~2170MHz	
Connector Type	SMA
Length	100mm

NB-IOT Antenna

Best Selling

P/N	SA-P-05G-01 (4G)
Frequency: 700~2700MHz	
Connector Type	SMA
Length	130mm

P/N	SA-P-05H-15 (4G)
Frequency: 698~960MHz/ 1710~2700MHz	
Connector Type	N Male
Length	180mm


NB-IOT Antenna


New

P/N	SA-05A-Q1-01 (5G)
Frequency: 400/690~960/1450~2700/ 3400~3800/4900~6000MHz	
Connector Type	SMA
Length	172mm

NB-IOT Antenna

Best Selling

P/N	SA-05B-K2 (UWB)
Frequency: 3~5GHz	
Connector Type	SMA or N optional
Length	200mm

P/N	SA-05A-K1 (UWB)
Frequency: 3.2~7GHz	
Connector Type	SMA
Length	204mm