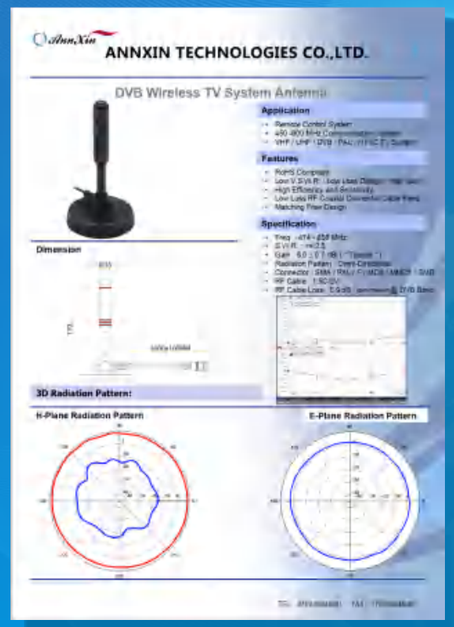
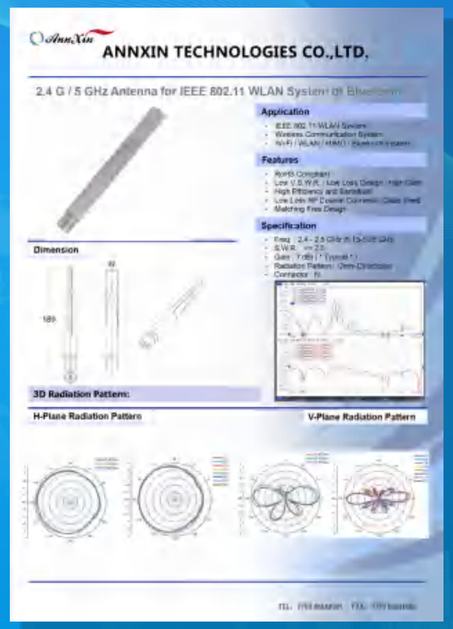
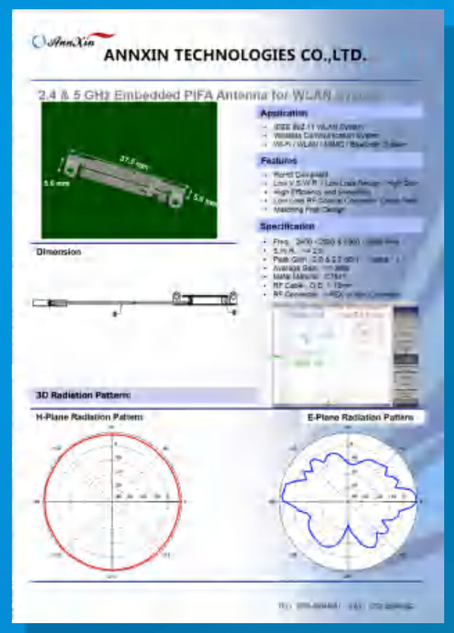
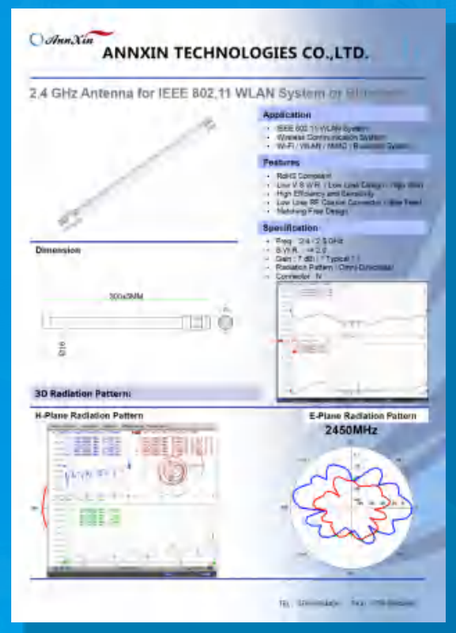








ANNXIN TECHNOLOGIES CO.,LTD.

Address: No.25 of Jinhai Mid Road, Shatou Divisions, Changan town, Donguan City,Guangdong Province,China
Tel: 86 769 81584720
Website: http://www.annxin.com

东莞市艾浦诺电子有限公司

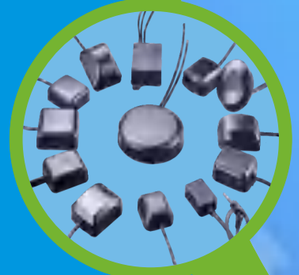
地址 :中国 广东省 东莞市长安镇沙头区金海中路25号
电话 :86 769 81584720
公司主页 :http://www.annxin.com

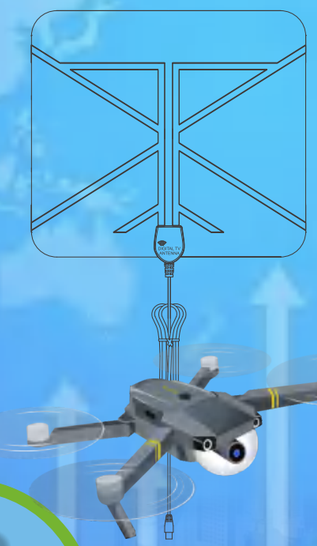
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ANNXINTECHNOLOGIESCO.,LTD.











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东 莞 市 艾 浦 诺 电 子 有 限 公 司
ANNXINTECHNOLOGIESCO.,LTD.

COMPANY INTRODUCTION
公 司 简 介

Annxin technologies co.,ltd.was founded in 2010. It has been exporting antennas, connectors and assembly lines since 2008. Factory is located in changan town, dongguan city, guangdong province town of sand head. Specializing in the production of digital high-definition TV antenna, DTMB/DVB - T/DVB - T2 / ATSC, 2.4 G, 5 G/ISDB antenna, WIFI antenna, 3 G, 4 G antenna, car GSM/CDMA/WCDMA / 4 G / 3 G/GPRS/GPS/beidou/GLONSS guide line antenna, outdoor base station antenna directional antenna, plate, glass fiber reinforced plastic high-gain antenna, AM/FM antenna, antenna feeder, high-frequency coaxial connectors, high-frequency coaxial assembly lines, etc.



The company has convenient transportation location, good production environment, advanced production technology, perfect inspection specifications and quality management system.

The company also has senior management backbone, engineering and technical personnel and business development personnel.The company has a strong potential for business development, the products are currently facing the global wireless communication market in all fields.

The products produced by the company are completely independent design and development.Unique appearance, has applied for more than 10 new use and appearance patents.At present, 80% of the products are exported to: eastern Europe, South Korea, Japan, the United States, Canada, Brazil, Britain, Germany, Russia and many other countries in the world.

The company adheres to the business philosophy of "quality first, customer first, reputation first, common development", pays attention to the cultivation of talents, actively relies on technological progress and technological innovation, closely follows the latest technology, and produces new products that lead the market trend.

Company products, superior performance, fast delivery, service week, welcome



东莞市艾浦诺电子有限公司成立于2015年，香港公司成立于2010年并于2008就已开展天线，连接器，组装线的外贸出口。工厂座落于广东省东莞市长安镇沙头镇.专业生产数字高清电视天线、DTMB/DVB-T/DVB-T2/ATSC/ISDB天线、2.4G、5G、WIFI 天线、3G天线、4G天线、车载GSM/CDMA/WCDMA/3G/4G/GPRS/GPS/北斗/GLONSS导行天线、室外基站天线、平板定向天线、玻璃钢高增益天线，AM/FM天线、天线馈线、高频同轴连接器、高频同轴组装线等。

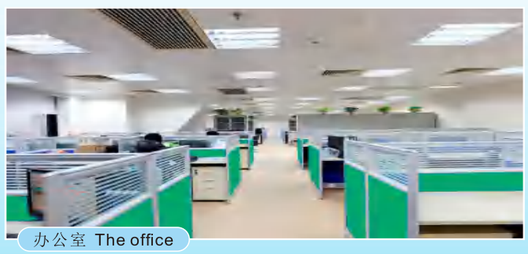
公司拥有便利的交通位置，良好的生产环境，先进的生产技术，完善的检验规范和质量管理体系。

公司还拥有资深的管理骨干、工程技术人员及业务拓展人员。公司业务拓展有较强的潜在能力，产品目前面向全球各领域无线通讯市场。

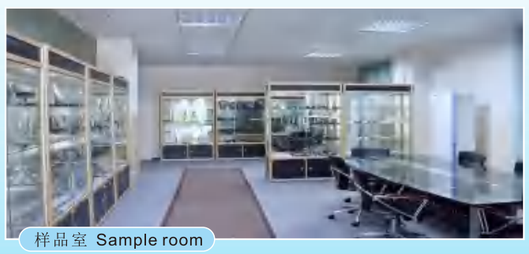
公司生产的产品完全自主设计开发。外观独特，已有申请了10多项使用新型和外观专利。目前产品80%出往：东欧，韩国、日本、美国、加拿大，巴西，英国、德国、俄罗斯等世界很多国家。

公司本着“品质第一，客戶第一，信誉第一，共同发展”的经营理念，注重人才的培养，积极依托技术进步和科技创新，紧密跟随最新技术，生产引领市场潮流的新产品。

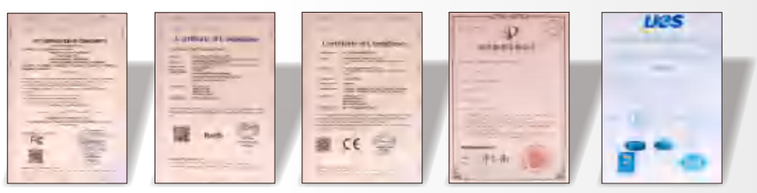
公司产品多种，性能优越，交货快捷，服务周道，欢迎惠顾！



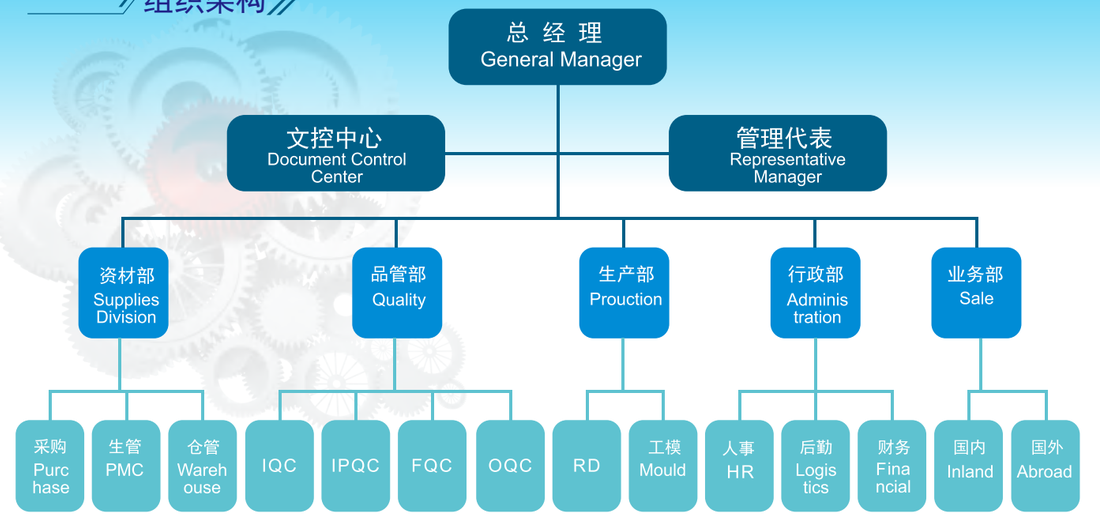
办公室 The office



样品室 Sample room



Organization
组织架构



优良的品质 Excellent quality

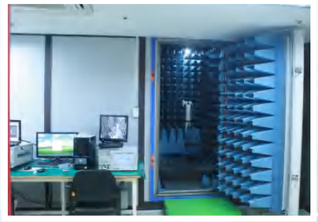
可靠的测试 Reliable testing

诚信的经营 Honest operation

优势的价格 Competitive price

高效的研发 And efficient research and development

实验室 laboratory











WIMAX, WIFI, WLAN ACCESS Point Antenna
IEEE 802.11a / b / g / n ,IEEE 802.16 a / b / e
2.4Ghz~Ghz & 4.9Ghz~5.9Ghz (2G~11Ghz)



Mechanical Specification

Radiatior-Copper wire, Spring, Steel wire
Connector-- TNC / SMA / N / MMCX / I-PEX
Working Temperature-- -30° C~+60° C
D-90° adjustable swivel and water proof design
ROHS-Compliant.

Monopole and Dipole Antennas

This series " Rubber Duck" Monopole and Dipole Antenna provide broad coverage and different gain options. it's designed by a coaxial sleeve or steel/copper wire an Omni-directional pattern .The series antenna are ideally suited for Wireless LAN AP, Wireless Video, GSM, RFID, DVB-T, WIFI, WIMAX, ISM and Hotspot applications.





CW-AP001



φ:10×L:30

CW-AP002



φ:10×L:50

CW-AP003



φ:10×L:55

CW-AP004



φ:10×L:110

CW-AP005



φ:10×L:24

CW-AP006



φ:10×L:50

CW-AP007



φ:10×L:80

CW-AP008



φ:10×L:110

CW-AP009



φ:10×L:80

CW-AP010



φ:10×L:85

CW-AP011



φ:13×L:135

CW-AP012



φ:10×L:115

CW-AP013



φ:13×L:155

CW-AP014



φ:10×L:135

CW-AP015



φ:13×L:210

CW-AP016



φ:13×L:235

CW-AP017



φ:6×L:87

CW-AP018



φ:13×L:220

CW-AP019



φ:13×L:205

CW-AP020



φ:13×L:170

Size:mm

- Main Application: WLAN GSM DVB-T ISM WiMAX
- The dimension is subject to change With different frequency and connector type request.

CW-AP021



φ:10×L:110

CW-AP022



φ:13×L:205

CW-AP023



φ:14×L:205

CW-AP024



φ:13×L:290

CW-AP025



φ:10×L:115

CW-AP026



φ:13×L:235

CW-AP027



φ:13×L:205

CW-AP028



φ:14×L:445

CW-AP029



φ:10×L:135

CW-AP030



φ:13×L:185

CW-AP031



φ:10×L:190

CW-AP032



φ:13×L:395

CW-AP033



φ:13×L:275

CW-AP034



φ:13×L:375

CW-AP035



φ:13×L:395

CW-AP036



φ:14×L:600

CW-AP037



φ:10×L:24

CW-AP038

φ:10×L:50

CW-AP039

φ:10×L:48

CW-AP040

φ:10×L:110

Size:mm

WIMAX, WIFI, WLAN ACCESS Point Antenna
IEEE 802.11a / b / g / n ,IEEE 802.16 a / b / e
2.4Ghz~Ghz & 4.9Ghz~5.9Ghz (2G~11Ghz)

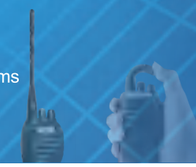
All antenna can be customized.(Content include: shape,logo, frequency, gain,color,connector etc.)

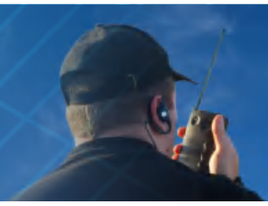




Electronic Specification

Frequency--Single / Dual / Tri Band /Quad Band
400Mhz-870Mhz, 900Mhz 1800Mhz / 1900Mhz and 2.4Ghz / 5Ghz systems
Impedance--Normal 50 Ohm / 75 Ohm
Polarization-Linear Vertical / Omni-directional pattern
Gain--2~10dBi





CW-AP041



φ:10×L:75

CW-AP042



φ:10×L:110

CW-AP043



φ:10×L:64

CW-AP044



φ:14×L:205

CW-AP045



φ:10×L:105

CW-AP046



φ:10×L:95

CW-AP047



φ:10×L:95

CW-AP048



φ:10×L:110

CW-AP049



φ:10×L:110

CW-AP050



φ:10×L:113

CW-AP051



φ:14×L:205

CW-AP052



φ:14×L:200

CW-AP053



W:18×L:160

CW-AP054



W:27×L:220

CW-AP055



W:44×L:195

CW-AP056



W:18×L:170

CW-AP057



W:18×L:170

CW-AP058



W:18×L:183

CW-AP059



W:18×L:160

CW-AP060



W:18×L:170

Size:mm

- Main Application: WLAN GSM DVB-T ISM WiMAX
- The dimension is subject to change With different frequency and connector type request.

CW-AP061



w:48×L:185

CW-AP062



W:20×L:140

CW-AP063



W:18×L:160

CW-AP064



φ:13×L:200

CW-AP065



φ:10×L:130

CW-AP066



φ:20×L:150

CW-AP067



φ:14×L:175

CW-AP068



φ:14×L:135

CW-AP069



φ:14×L:150

CW-AP070



φ:14×L:80

CW-AP071



φ:13×L:110

CW-AP072



φ:10×L:150

CW-AP073



φ:12×L:80

CW-AP074



φ:10×L:130

CW-AP075



φ:10×L:130

CW-AP076



φ:14×L:170

CW-AP077

φ:14×L:160

CW-AP078

φ:10×L:175

CW-AP079

φ:15×L:360

CW-AP080

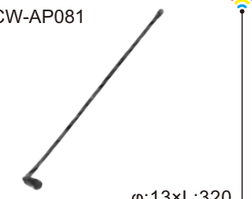
φ:15×L:385

Size:mm

WIMAX, WIFI, WLAN ACCESS Point Antenna
IEEE 802.11a / b / g / n ,IEEE 802.16 a / b / e
2.4Ghz~Ghz & 4.9Ghz~5.9Ghz (2G~11Ghz)




CW-AP081



φ:13×L:320

CW-AP082



φ:10×L:100

CW-AP083



φ:13×L:190

CW-AP084



φ:13×L:190

CW-AP085



W:18×L:170

CW-AP086



φ:10×L:190

CW-AP087



φ:13×L:185

CW-AP088



φ:13×L:290

CW-AP089



φ:10×L:100

CW-AP090



φ:10×L:100

CW-AP091



φ:13×L:175

CW-AP092



φ:10×L:130

CW-AP093



φ:14×L:140

CW-AP094



φ:10×L:120

CW-AP095



φ:30×L:80

CW-AP096



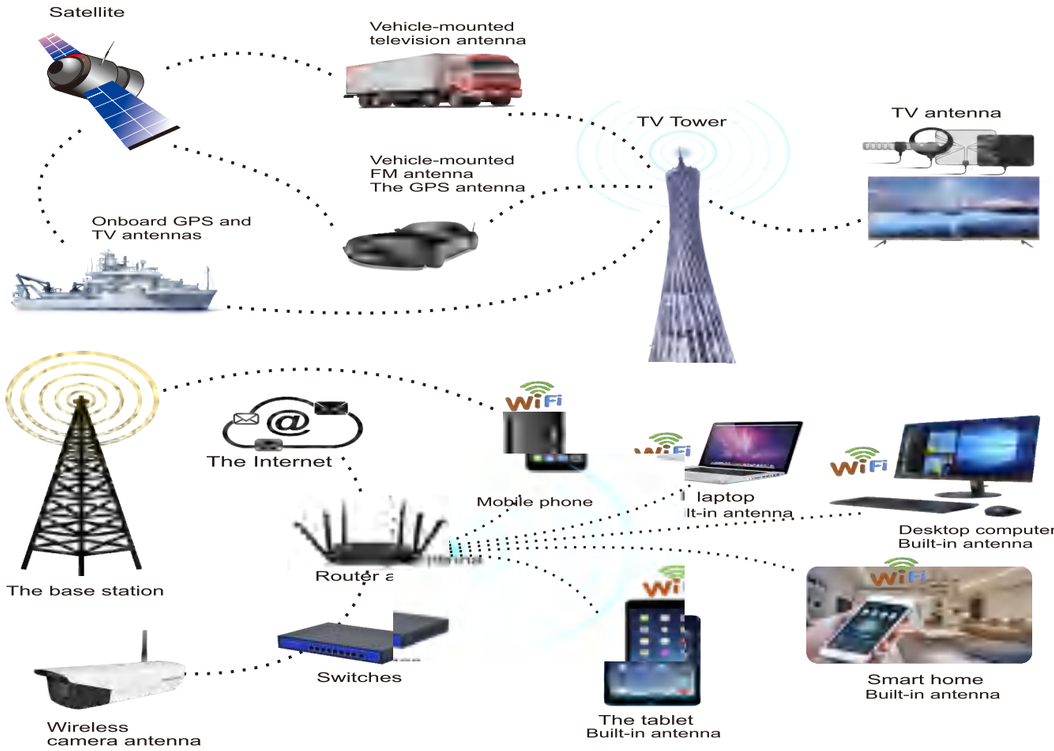
φ:30×L:80

Size:mm

Antenna Type 天线类型	Frequency 频率范围 (MHz)	Gain 增益dBi	Radiation 辐射方向	Voltage 工作电压V	Max Input Power(W) 最大输出功率	VSWR 驻波比	Band 适用频段	Impedance 阻抗Ω
AP Antenna 胶棒天线	315	0dBi,1dBi, 2dBi, 3dBi,4dBi, 5dBi, 6dBi, etc.	Omni	DC3-5	50W	≤2.0	WLAN	50
	433		Omni	DC3-5	50W	≤2.0	WLAN	50
	450		Omni	DC3-5	50W	≤2.0	WLAN	50
	470		Omni	DC3-5	50W	≤2.0	WLAN	50
	868		Omni	DC3-5	50W	≤2.0	WLAN	50
	915		Omni	DC3-5	50W	≤2.0	WLAN	50

✹ Main Application: ■WLAN ■GSM ■DVB-T ■ISM ■WiMAX

✹ The dimension is subject to change With different frequency and connector type request.



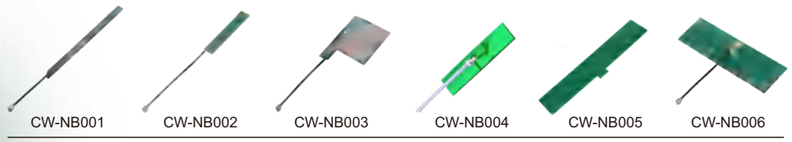
Antenna Type 天线类型	Frequency 频率范围（MHz）	Gain 增益dBi	VSWR 驻波比	Band 适用频段	Impedance 阻抗Ω
AP Antenna 胶棒天线	470-870Mhz	0dBi	≤3.5	DVB-T	50
	800/900/1800 /1900/2100	0dBi,1dBi,2dBi	≤3.5	GSM/ISM	50
	902-928	0dBi	≤3.5	ISM	50
	2400-2500/ 5150-5850	2dBi,3dBi,4dBi,5dBi,7dBi ,8dBi,9dBi, etc.	≤2.0	WLAN	50
	2400-2500	1dBi,2dBi	≤2.0	WLAN	50
	2500-2700	1dBi,2dBi,3dBi,4dBi,5dBi ,7dBi,8dBi,9dBi,etc.	≤2.0	WIMAX	50
Connector type 接头类型	SMA/SMB TNC/MMCX/TNC/BNC or any can be customized				
Cable Lead Type 出线接头类型	IPEX/SMA/SMB MCX/MMCX or any can be customized				
Cable Type 线材类型	0.81/1.13 1.37/RG178 /RG316 or any can be customized				

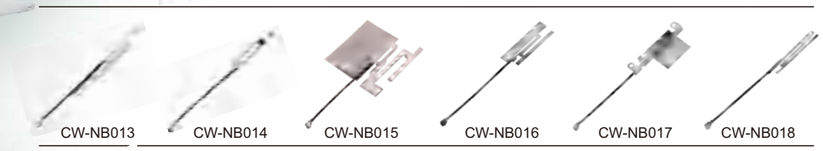
Internal built-in antenna, Patch Antenna for Notebook PC
WLAN-IEEE 802.11 a / b / g / n

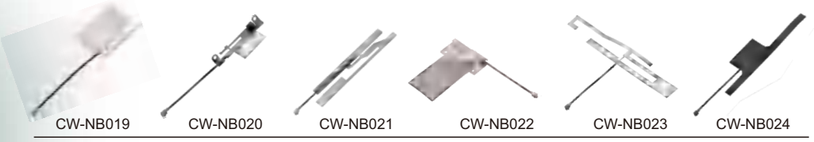
Tablet / Laptop Mobile Internet Device

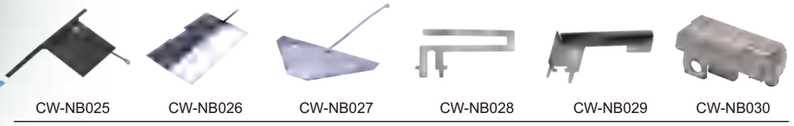












● This PIFA type internal antenna is designed mostly custom made for the particular product application. ● Dimension:LxDxH(mm),"T"means thickness.

Specification

Antenna Type 天线类型	Materials 材质	Frequency 频率范围（MHz）	Gain 增益dBi	Voltage 工作电压
Internal Antenna 内置PCB,FPC, 金属片天线	PCB, FPC, Metal Strip	433MHz 800/900/1800/ 1900/2100 MHz 824-960Mhz/ 1710-2690MHz 2400-2500MHz/ 4900-5900MHz any band you need.	2dBi,3dBi,4dBi, 5dBi,7dBi, any can be customized	3.0-5.0V
VSWR 驻波比	Impedance 阻抗Ω	Band 适用频段	Connector type 接头类型	Cable Type 线材类型
≤2.0	50/70	GSM/GPRS/ISM /WLAN/WMAX	IPEX/SMA/SMB/ MCX/MMCX etc.	0.81/1.13/1.37/ RG178or any can be customized

NFC chip antenna

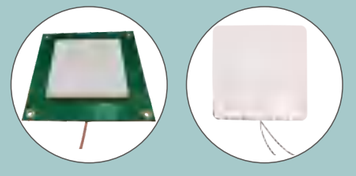




Product name 产品名称	Optional material 可选面料	Optional process 可选工艺	Application description 应用描述	Working temperature 工作温度	Read distance 读取距离	Data preservation 数据保存
NFC 天线 NFC antenna	不干胶 铜版纸（PET 基材）+铝蚀刻+不干胶（可打印、可印刷） non-drying coated paper (PET base material) + aluminum etching + non-drying adhesive (printable and printable)	空白/数码印刷 blank/digital printing	仓储管理，服装吊牌，资产管理，物流管理，其它二次加工，打开手机应用，拨通电话，存储信息名片，写网址，信息交换等等 ... warehouse management, garment hangtag, asset management, logistics management, other secondary processing open mobile applications, call the phone, store information card,write website, information exchange, etc.	~10 ℃~65 ℃	0-1200CM（与天线，读写器功率和工作环境有关） (related to antenna, reader power and working environment)	≥10年 More than ten years

RFID chip antenna





电器指标 ： Electrical indicators	
频率范围 Freq Range MHz	860~960MHZ
带宽 Bandwidth MHz	100
增益 Gain	9
波瓣宽度 Horizontal Beamwidth °	Hor : 65 Vert : 58
前后比 F/B Ratio	≥23
驻波比 VSWR	≤1.3
阻抗 Impedance	50 Ω
极化方式 Polarization	圆极化 Circular polarization
最大功率 Max.Power	100W
接头型号 Connector	N-Female
防雷保护 Lightning Protection	直流接地 The dc grounding
机械指标 ： Mechanical Specifications	
抗风强度 Rated Wind Velocity	60m/s
工作温度 Operating temperaturec	~40~80 ℃

Magnetic & suck cap base Extender Antennas

This magnetic or suck cap base antenna provide single or multi band for DVB-T, 900Mhz, 1800Mhz, 1900Mhz, 2.4Ghz, 5Ghz,.
The compact design of this type antenna is ideal for extending the operation coverage, the magnetic and suck cap base suitable for fixing to any flat and metal surfaces.



- IDVB-T, APMS, GSM, DCS, PCS, UMTS, ISM, WLAN, Wireless Video WIFI and WIMAX applications
- I400Mhz ~ 870Mhz, 900M / 1800M / 1900M and 2.4G /5Ghz systems
- IAmplifier integrated active antenna
- IHigh performance and compact size
- IMagnetic mount or suck cap base mounting
- IFix or Tilt-Swivel flexibility, water proof application design
- ICable and Connector customizable
- IROHS-Compliant.





CW-MG001 CW-MG002 CW-MG003 CW-MG004 CW-MG005 CW-MG006



CW-MG019 CW-MG020 CW-MG021 CW-MG022 CW-MG023



CW-MG007 CW-MG008 CW-MG009 CW-MG010 CW-MG011 CW-MG012



CW-MG024 CW-MG025 CW-MG026 CW-MG027 CW-MG029



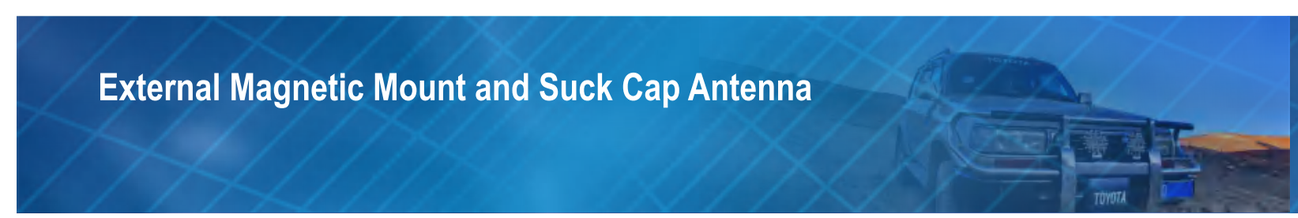
CW-MG013 CW-MG014 CW-MG015 CW-MG016 CW-MG017 CW-MG018



CW-MG030 CW-MG031 CW-MG032 CW-MG033 CW-MG034

- Main Application: WLAN GSM DVB-T ISM WiMAX
- The dimension is subject to change With different frequency and connector type request.

External Magnetic Mount and Suck Cap Antenna



The various options of then antenna base are well suited for desktop for fixing to any flat metal surfaces.
The antenna base provides the different mating interface of RF connectors or metal studs to fit any external antenna connector type with the different cable types to extending the wireless coverage.
The magnetic or suck cap base are the options for more flexible fixing applications.



CW-MG035 CW-MG036 CW-MG037 CW-MG038 CW-MG039 CW-MG040



Magnetic antenna parameters

Antenna Type 天线类型	Frequency 频率范围（MHz）	Gain 增益dBi	VSWR 驻波比	Polarization 极化方式	Radiation Direction 辐射方向	Band 适用频段	Impedance 阻抗Ω	Connector type 接头类型	Cable Type 线材类型
Magnetic antenna 磁盘天线	470-870	0dBi	≤1.5	垂直极化 Vertical	辐射方向 Radiation Direction 全向 Omnidirectional	DVB-T	50	SMA/SMB /PAL/CRC9 /TS9/MCX /MMCX/F/ TNC/BNC or any can be customized	RG-174U RG58 1.5C2V or any can be customized
	800/900/1800 /1900/2100	0dBi,1dBi, 2dBi				GSM/ISM	50		
	2400-2500	2dBi,3dBi, 4dBi,5dBi, 7dBi,8dBi, 9dBi,etc.				WLAN	50		
	2500-2700	2dBi,3dBi, 4dBi,5dBi, 7dBi,8dBi, 9dBi,etc.				WMAX	50		
Any band customized for you.									

✹ Main Application: ■WLAN ■GSM ■DVB-T ■ISM ■WiMAX
✹ The dimension is subject to change With different frequency and connector type request.



Narrow Band Internet of Things, NB-IoT

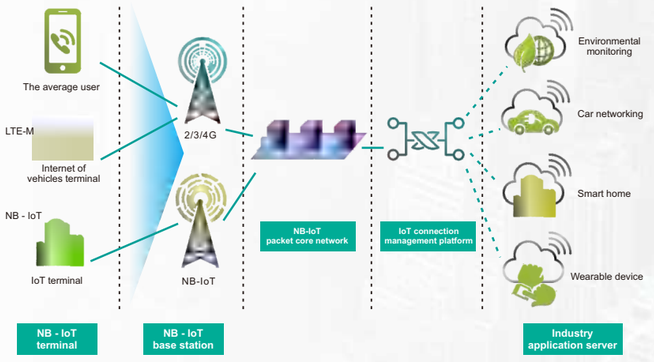
NB - IoT introduction

Narrow Band Internet of Things (nb-iot) has become an important branch of the Internet of everything.Nb-iot is built on cellular networks and consumes only about 180KHz of bandwidth. It can be directly deployed on GSM, UMTS or LTE networks to reduce deployment costs and achieve smooth upgrades.Nb-iot is an emerging technology that can be widely used in the world.It is characterized by wide coverage, multiple connections, fast speed, low cost, low power consumption and excellent architecture.Nb-iot devices are said to provide at least 10 years of increased battery life while providing very comprehensive coverage of indoor cellular data connections.Nb-iot USES License frequency band, which can be deployed in three ways, including in-band, protection band or independent carrier, to coexist with the existing network.

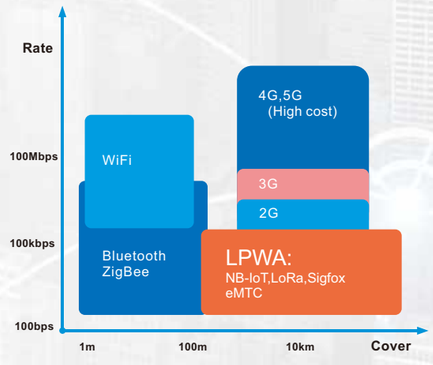
Wide application scenarios of the Internet of things

Industry （行业）	Examples of application scenarios （应用场景举例 ）
The transportation （交通运输）	Intelligent parking, road pricing, fleet management, logistics management, cargo tracking, automatic navigation （智能停车、道路收费、车队管理、物流管理、货物跟踪、自动导航）
The environmental protection （环境保护）	Environmental monitoring, animal monitoring, wildlife tracking, hazardous waste tracking （环境监测、动物监测、野生动物跟踪、有害废物跟踪）
Public facilities （公共设施）	Intelligent meter reading, intelligent electricity/water/gas network, manhole cover monitoring, intelligent street lamp, monitoring camera （智能抄表、智能电/水/气网、井盖监控、智能路灯、监控摄像头）
Medical （医疗）	Medical equipment tracking, telemedicine diagnosis, remote monitoring （医疗设备跟踪、远程医疗诊断、远程监护）
Manufacturing （制造业）	Industrial automation, process monitoring, supply chain monitoring, goods management （工业自动化、流程监控、供应链监控、货品管理）
Commercial finance （商业金融）	Vending machines, POS machines, ATM machines, electronic signs, advertising light boxes （自动售卖机、POS机、ATM、电子标牌、广告灯箱）
Family （家庭）	Smart home, wearable, pet tracking, children/elderly monitoring tracking, security monitoring, intelligent audio and video （智能家居、可穿戴、宠物跟踪、儿童/老人监护跟踪、安防监控、智能影音）

Architecture diagram of Internet of things



Location of wireless technology of Internet of things



Current mainstream iot technology standards

NB-IoT
Narrow Band Internet of Things

eMTC
Enhanced Machine-Type Communication

LoRa
Long Tange

Sigfox
It was invented by a French company

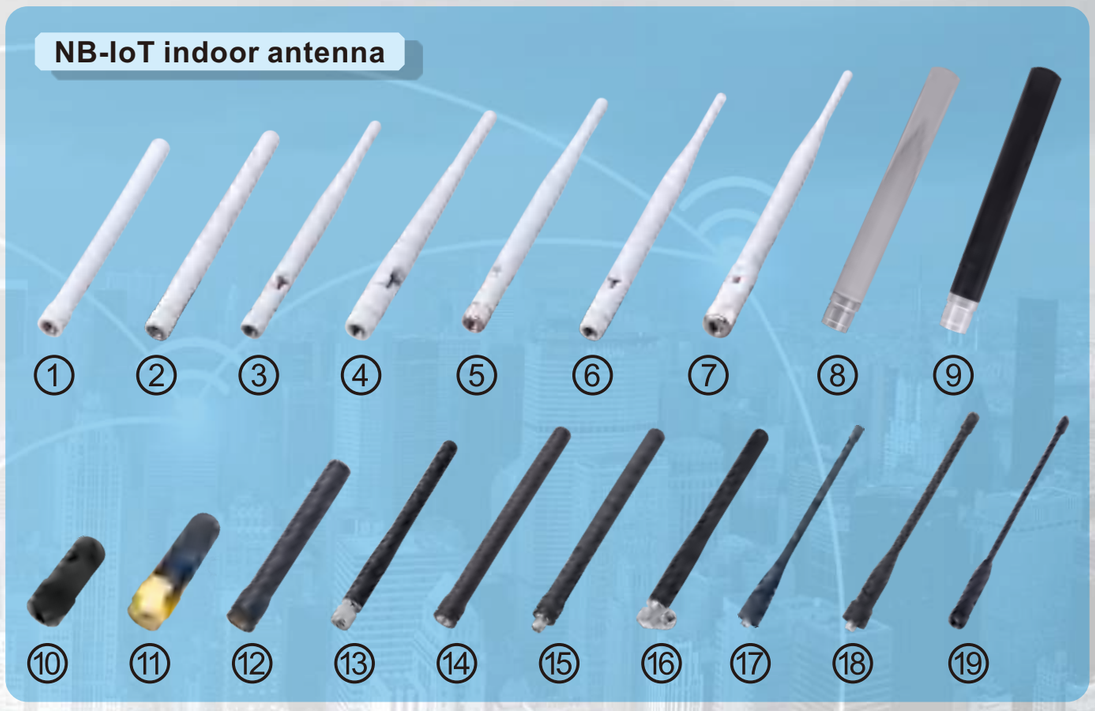
LPWA technical standard comparison

The name of the 名称	The characteristics of 特点
NB–IoT （The international standard） 国际标准	Low cost, telecommunication grade, high reliability, high security 低成本、电信级、高可靠性、高安全性
eMTC （The international standard） 国际标准	High efficiency, telecommunication level, high reliability, high security 高效率、电信级、高可靠性、高安全性
LoRa （Proprietary technology） 私有技术	At present, there is no spectrum in China 目前国内无频谱
Sigfox （Proprietary technology） 私有技术	Independent network construction, unauthorized spectrum 独立建网、非授权频谱

NB-IoT antenna

Frequency range: 3G, 4G, 868-915mhz, 1010-9180mhz, 433/450/470mhz.

NB-IoT indoor antenna



NB-IoT outdoor waterproof antenna

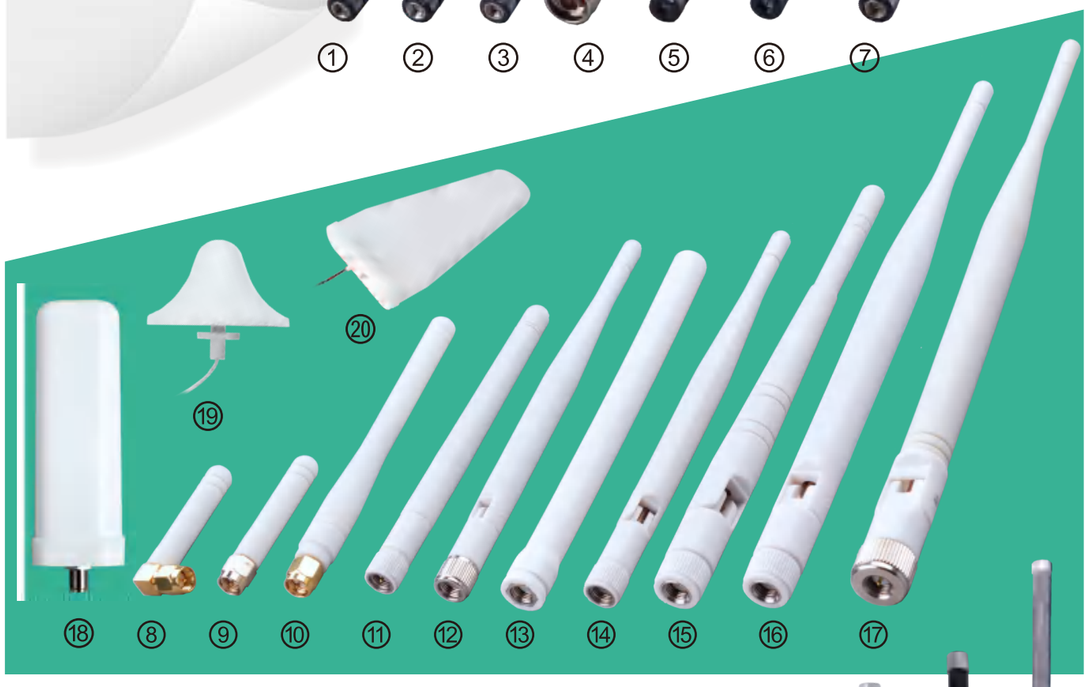


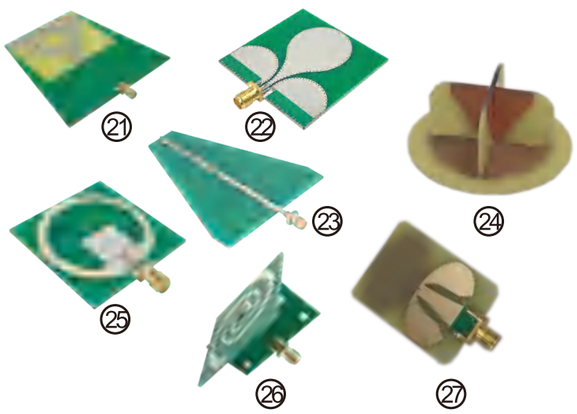
UWB Antenna

UWB(UltraWideband) is a carrier-free communication technology that transmits data using non-sinusoidal narrow pulses ranging from nanosecond to microsecond.By transmitting very low power signals over a wide spectrum, UWB can achieve data transmission rates of hundreds of mbits /s to several gbits /s within a range of about 10 meters.

UWB antenna, frequency limited to 3.1-10.6ghz, extremely wide, can use bandwidth above 1Ghz, or up to several GHz.The system has the characteristics of large capacity, strong anti-interference performance, high transmission rate, low power consumption and good confidentiality.It is widely used in indoor communication, high-speed wireless LAN, home network, cordless telephone, safety detection, position determination, radar and other fields.







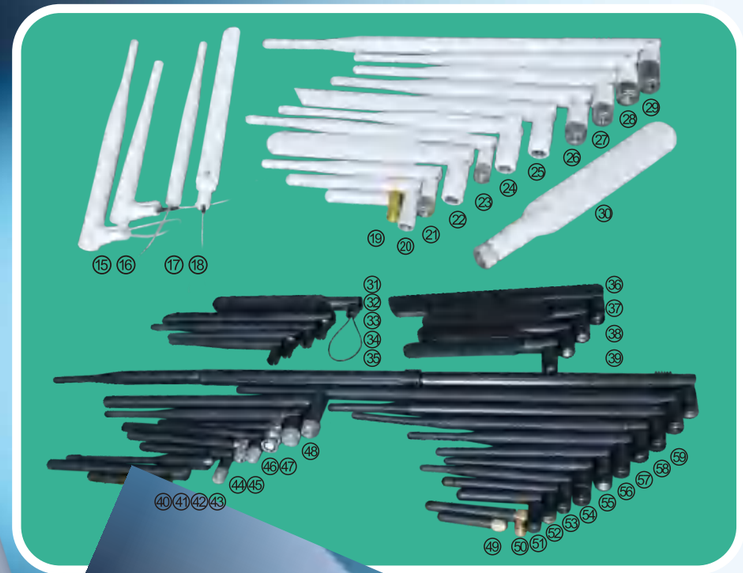


LoRa wireless transmission

LoRa is one of the LPWAN communication technologies, which is a super-remote wireless transmission scheme based on spread spectrum technology.It provides users with a simple system that can realize long distance, long battery life and large capacity, and then extend the sensor network.

At present, the main frequency bands of LoRa include: 433MHz, 450MHz, 450-470MHz, 470-510MHz, 868MHz, 868-900MHz,915MHz,900-930MHz, etc. LoRa technology has characteristics of long distance, low power consumption (long battery life), multi-node and low cost.It is mainly used in intelligent meter reading, intelligent parking, intelligent agriculture, intelligent security, intelligent street lighting and other fields.







DVB-T / ISDB-T / ATSC Antenna for HD Digital TV

- 400Mhz ~ 870Mhz, 900M / 1800M / 1900M and 2.4G /5Ghz systems
- Amplifier integrated active antenna
- Cable and Connector customizable
- ROHS-Compliant.







CW-TV001



260x160

CW-TV002



230x200

CW-TV003



335x300

CW-TV004



230x200

CW-TV005



202x172

CW-TV006



335x235

CW-TV007



295x76

CW-TV008



230x100

CW-TV009



202x172

CW-TV010



Diameter: 180

CW-TV011



200x200

CW-TV012



335x300

Size: mm

CW-TV013



Diameter: 180

CW-TV014



Diameter: 180

CW-TV015



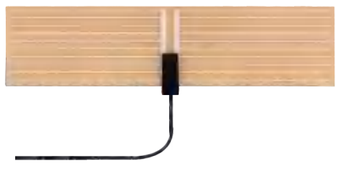
Diameter: 180

CW-TV017



218x35

CW-TV018



220x49

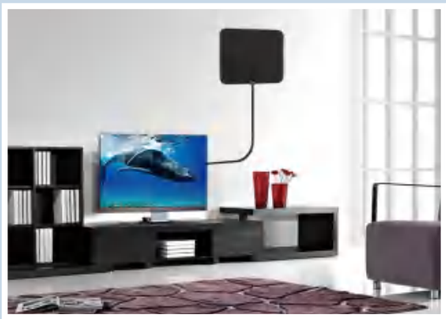
CW-TV019



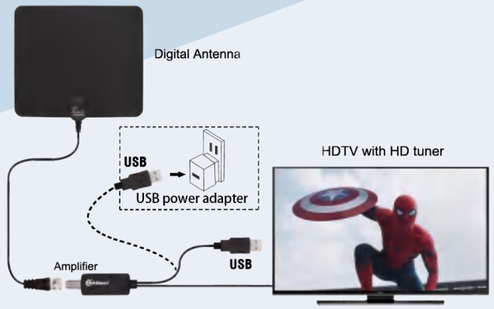
295x76

Size: mm

Application scenarios



Trial method



HDTV antenna parameters

Antenna Type 天线类型	Frequency 频率范围 (MHz)	Gain 增益 dBi	VSWR 驻波比	Voltage 工作电压	Current Protection 保护电流	Impedance 阻抗 Ω	Connector type 接头类型	Cable Type 线材类型
Passive HDTV antenna (无源)	54MHz-108MHz /170-240 /470-862MHz	5dBi	≤2.0	/	/	75	IEC/F/SMA or any customized	3C2V,1.5C-2V or any can be customized
Active HDTV antenna (有源)		25dBi	≤2.0	5V/12V	≤30毫安mA	75		

Vehicle Digital TV/FM radio Antenna Windshield, Film and Patch Antenna for cars





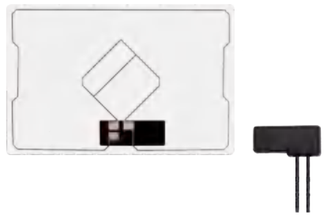


CW-TV020



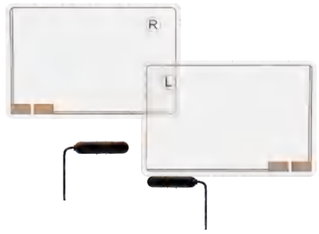
202x28

CW-TV021



115x75

CW-TV022



115x75

CW-TV023



165x96

CW-TV024



122x109

CW-TV025



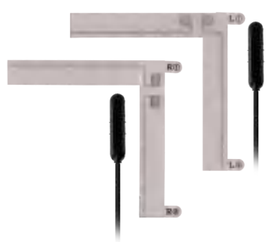
125x100

CW-TV026



221x69

CW-TV027



108x104

CW-TV028



98x32

CW-TV029



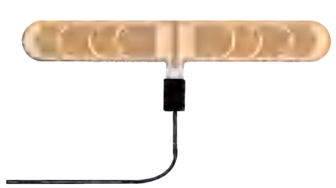
Length: 260

CW-TV030



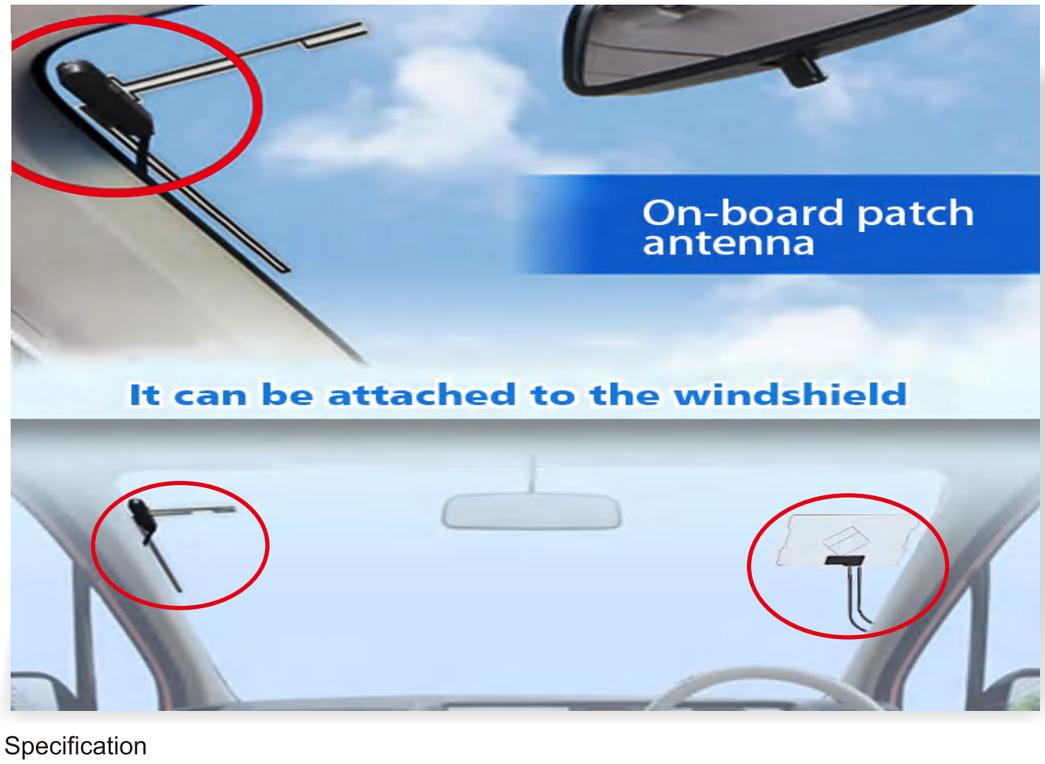
202x17

CW-TV031



200x20

Size: mm



Specification

Active ISDB Antenna for Car	
Frequency Range(MHz)	470-862
Votage(V)	8V
Current	≤20mA
Input Impendence (Ω)	75
Polarization Type	Vertical or Horizontal
V.S.W.R	≤2.0
Max Input Power (w)	50
Cable Type	3C2V,1.5C-2V or any can be customized
Connector	SMA/VR1/GT13/ GT16/HF201/Fakra

Passive ISDB Antenna for Car	
Frequency Range(MHz)	470-862
Input Impendence(Ω)	75
Polarization Type	Vertical or Horizontal
V.S.W.R	≤2.0
Max Input Power (w)	50
Cable Type	3C2V,1.5C-2V or any can be customized
Connector	SMA/VR1/GT13/ GT16/HF201/Fakra

The antenna connector for the vehicle



GT13 | GT5 | SUMITOMO 6098-2724 | GT16 | CSC1001-8C01F | HF201S-01IN





CW-D006



Length: 102

CW-D007



108X18

CW-D008



Length: 141

CW-D009



Length: 190

CW-D010



166x10

CW-D011



Length: 200

CW-D012



Length: 290

CW-D013



115x21

CW-D014



135x25

Size: mm

Vehicle-mounted DAB antenna

Radio Digital signal (Digital Audio Broadcasting had DAB for short) is the AM and FM the third generation s after the traditional analog Broadcasting radio, Digital radio signal, it provides a close to the voice of the C D quality, radio and opportunities for additional data services, has good noise, anti-jamming and wave prop agation fading resistance, súitable for high-speed mobile reception, etc, to ensure a fixed, carry, and moves the quality of the received signal, the Digital radio stations send transmission distance is farther, coveragemore widely.

DAB antenna schematic



DAB antenna parameters

Frequency 频率范围（MHz）	Gain 增益dBi	VSWR 驻波比	Voltage 工作电压
170~240MHz/ 1452~1492MHz	12dBi，15dBi, 18dBi etc.	≤1.8	3-5V
Lighting Protection 保护电流	Impedance 阻抗Ω	Connector type 接头类型	Cable Type 线材类型
DC Ground	50	SMA，SMB, MCX,Fakra,etc.	RG58/RG174 or any can be customized

AM/FM Radio booster Vehicle Antenna



CW-FM002



CW-FM003



CW-FM004



150X20

CW-FM005

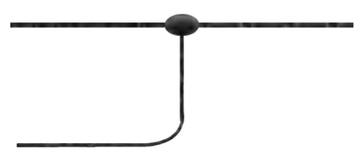


CW-FM006



Length: 340

CW-FM007



Length: 600

CW-FM008



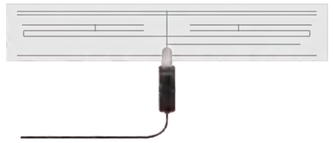
160x25

CW-FM009



166x10

CW-FM010



270x44

Specification

Antenna Type 天线类型	Frequency 频率范围（MHz）	Voltage 工作电压 V	Current 工作电流 mA	VSWR 驻波比
FM/AM 天线	80 -108MHz/ 530 -2000 kHz	DC10.5~16 （V）	10~35mA	≤3.0
Band 适用频段	Operation Temperature 工作温度	Impedance 阻抗Ω	Connector type 接头类型	Cable Type 线材类型
AM/FM	.-35 ℃~+75 ℃	75	IEC/F/SMA or any customized	3C2V,1.5C -2V or any can be customized

Antenna Amplifier



CW-AF001



55x35x15

CW-AF002



55x35x15

CW-AF003



60x20x13

CW-AF004



55x35x15

CW-AF005



55x35x15

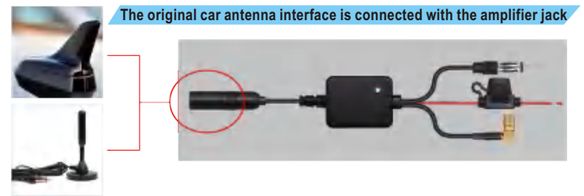
CW-AF006



52X20X13

Product features

The receiving part of this product is made of special high-conductivity materials and equipped with signal amplification function. This product can be installed behind the DVD in the vehicle board (convenient to connect to power supply) or above the digital TV antenna, which can be directly connected to the original vehicle antenna or jack to make FM sound quality more clear and stable.



Frequency 频率范围 （MHz）	Gain 增益 dBi	VSWR 驻波比 Db	Voltage 工作电压
DAB(174-240/L-Band：1452-1492MHz)FM(88 -108MHz） TV（174-240/470-862MHz)	25dBi	≤1.5	5V
Current 电流 mA毫安	Impedance 阻抗Ω	Receive Range 接收范围	Connector type 接头类型
30-500mA	75	50-100miles	IEC/F/SMA or any customized

Vehicle Radio antenna & GPS Tracking Location Antenna

External GPS Tracking & Location Antenna with Multi-Band + GPS Integrated design

Ours GPS Antenna is the compact design with excellent Signal Amplification compatible with almost every GPS receiver model and provides an excellent alternative for a vast range for GPS Mobile applications including AVL, Vehicle Navigation, Aviation.

CW-RD001



CW-RD002



CW-RD003



CW-RD004



CW-RD005



CW-RD006



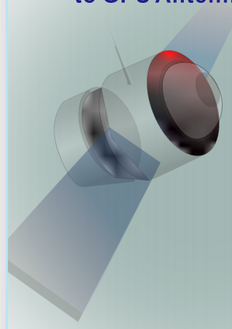
Size: mm

Shark fin



GPS Tracking & Location Antenna

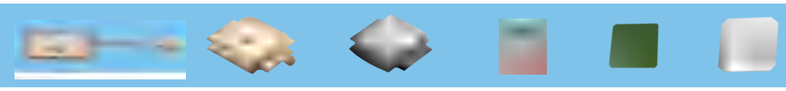
Connector Type Options to GPS Antenna





External GPS Tracking & Location Antenna with Multi-Band + GPS Integrated design

GPS ceramic antenna



GPS History and Application:

GPS is the abbreviation of Global Positioning System.GPS was created in 1958 and put into use in 1964.The Global Positioning System (GPS) is currently the only fully functional Global Navigation Satellite System (GNSS). Utilizing a constellation of at least 24 medium Earth orbit satellites that transmit precise microwave signals, the system enables a GPS receiver to determine its location, speed and direction.

Developed by the United States Department of Defense, it is officially named NAVSTAR GPS (Contrary to popular belief, NAVSTAR is not an acronym for NAVigation Satellite Timing And Ranging, but simply a name given by Mr. John Walsh, a key decision maker when it came to the budget for the GPS program).

The satellite constellation is managed by the United States Air Force 50th Space Wing. The cost of maintaining the system is approximately US$750 million per year, including the replacement of aging satellites, and research and development. Despite this fact, GPS is free for civilian use as a public good.







Marine & Vehicle GPS Tracking & Location Antenna
Ceiling mount Full band MIMO OEM antenna

Ceiling Mount



CW-CM003



CW-CM004



CW-CM005



CW-CM006



CW-CM007

Marine & Vehicle



CW-GV001



CW-GV002



CW-GV003

CW-GV004





CW-CM001



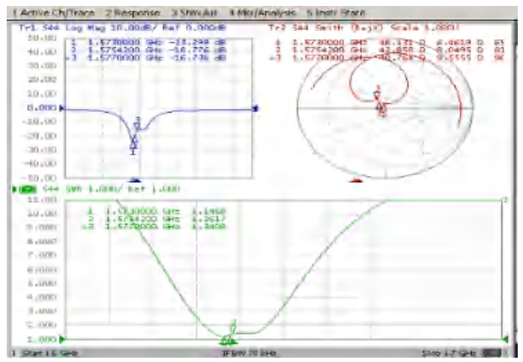
CW-CM002

GPS Antenna technical parameters

Antenna Type 天线类型	Frequency 频率范围 （MHz）	Gain 增益dBi	VSWR 驻波比	Polarization 极化方式	DC Voltage 直流电压	Impedance 阻抗Ω
GPS Antenna	1575.42MHz ±1.02 MHz	Passive 5dBi Active 29dBi	≤1.5	RHCP	3-5V	50
Glonass	1602+0.5625*k(MHz)		≤1.5		3-5V	50
Beidou Compass	1561.0980 MHz		≤1.5		3-5V	50
GPS、Beidou、GONASS GPS L1：1575.42±1.023MHz， L2：1227±1.023MHz； Beidou B1：1561±2.046 MHz， B2：1207±2.046MHz， B3：1268±10.23MHz ； GLONAS： L1=1602+0.5625*k(MHz)， L2=1246+0.4375*k(MHz)	1197-1278/1559-1612MHz	90 degrees elevation ：≥6，20 degrees elevation ：≥0 plane)	≤2．0		3-5V	50

DC current 直流电流	Max power 最大功主率	Noise Figure 噪声系数	Filter Outband attenuation 滤波器带外衰减	Connector type 接头类型	Cable Type 线材类型
≤ 20mA	100W	≤2.0dB	7dB Min f0 +/ -20MHZ ; 20dB Min f0 +/ -50MHZ; 30dB Min f0 +/ -100MHZ	SMA/FAKRA/GT15/ USBor any other requested	RG174 or any other requested
			≥20 (fo ±50MHz); ≥30 (fo ±100MHz);		
			7dB Min f0 +/ -20MHZ ; 20dB Min f0 +/ -50MHZ; 30dB Min f0 +/ -100MHZ		
25～40 mA		<1.0	1268+100MHZ ≥50db, 1197-100MHZ ≥50db; 1602+100MHZ ≥50db , 1561 -100MHZ ≥50db.		
Any Combination match for you choose(GPS / Glonass / Beidou etc.)					

GPS antenna test chart





Omni outdoor fiberglass antenna



- 400Mhz ~ 870Mhz, 900M / 1800M / 1900M and 2.4G /5Ghz systems
- Amplifier integrated active antenna
- Cable and Connector customizable
- High accuracy, high efficiency and high gain
- ROHS-Compliant.



Flat patch, Ceiling mount, Base station,Marine, Outdoor High Gain Antennas



High performance and rugged industrial design antennas are ideal for indoor and outdoor use.
The antenna of different type options can be installed for either vertical or horizontal polarization.

- IWLAN, Hotspot, GSM, ISM and MIMO fro indoor/outdoor multipoint and extending applications.
- IOutdoor, Marine and Vehicle Grade durable UV-stable housing or fiberglassradome weather-proof
- IProviding broad coverage and different gain options, high performance and compact size
- IGSM 850Mhz / 900Mhz / 1800Mhz / 1900Mhz / 2100Mhz & WLAN 2.4G / 5G and Multi-band systems
- ISM Band 433Mhz / 450Mhz / 868Mzh~870Mhz / 915Mhz / 928Mhz, Custom antennas can be designed on request
- IIntegral N-Female or TNC connector or extension cable end, cable & connector customizable
- IROHS-Compliant.

Flat Patch Antenna



High gain router



Base station antenna





5G communication base station antenna

Smart home

The transportation



4900-5850MHz 34dBi Dual-Pol Dish Antenna



Model	CW-DA001
Electrical Specifications	
Frequency Range	4900-5850MHz
Polarization	Horizontal+Vertical
Gain	34dBi
VSWR	≤1.6
3dB Beamwidth	H:4°
3dB Beamwidth	E:3°
F/B Ratio	≥32dB
Isolation	≥28db
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	2xN-Female
Mounting Mast size	Φ30-55mm
Dimensions	Φ90cm
Weight	8.42kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃



H E

5150-5850MHz 31dBi Dish Antenna



Model	CW-DA002
Electrical Specifications	
Frequency Range	5150-5850MHz
Polarization	Vertical or Horizontal
Gain	31dBi
VSWR	≤1.5
3dB Beamwidth	H:3.5°
3dB Beamwidth	E:3.5°
F/B Ratio	≥28dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Mounting Mast size	Φ40-Φ70mm
Dimensions	Φ90cm
weight	7.53kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

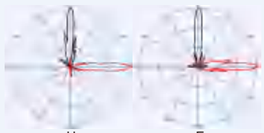


H E

4900-5850MHz 30dBi Dual-Pol Dish Antenna



Model	CW-DA003
Electrical Specifications	
Frequency Range	4900-5850MHz
Polarization	Horizontal+Vertical
Gain	28dBi
VSWR	≤1.5
3dB Beamwidth	(H)5.5°, (E)5.5°
3dB Beamwidth	(H)5.5°, (E)5.5°
F/B Ratio	≥32dB
Isolation	≥28dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	2 x N-Female
Mounting Mast size	Φ40-70mm
Dimensions	Φ60cm
Weight	5.4kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

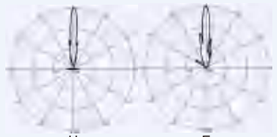


H E

5725-5850MHz 29dBi Dish Antenna



Model	CW-DA004
Electrical Specifications	
Frequency Range	5725-5850MHz
Polarization	Vertical or Horizontal
Gain	29dBi
3dB Beamwidth	H:4°
3dB Beamwidth	E:4°
F/B Ratio	≥28dB
Nominal Impedance	50Ω
Maximum Power	100W
VSWR	≤1.5
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Mounting Mast size	Φ40-70mm
Dimensions	Φ60cm
weight	5.56kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃



H E

4900-5850MHz 25dBi Dual-Pol Dish Antenna



Model	CW-DA005
Electrical Specifications	
Frequency Range (MHz)	4900-5850MHz
Polarization	Horizontal+Vertical
Gain	22dBi
VSWR	≤1.6
3dB Beamwidth	H:7.5°
3dB Beamwidth	E:7.5°
F/B Ratio	≥32dB
Isolation	≥28dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	2xN-Female
Mounting Mast size	Φ30-55mm
Dimensions	Φ40cm
Weight	1.65kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃



H E

5150-5850MHz 23dBi Dish Antenna



Model	CW-DA006
Electrical Specifications	
Frequency Range	5150-5850MHz
Polarization	Vertical or Horizontal
Gain	23dBi
VSWR	≤1.5
3dB Beamwidth	H:8.5°
3dB Beamwidth	E:8.5°
F/B Ratio	≥28dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Mounting Mast size	Φ30-55mm
Dimensions	Φ40cm
Weight	1.1kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

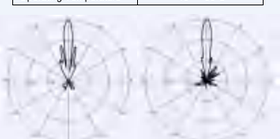


H E

5725-5850MHz 27dBi Grid Antenna



Model	CW-DA007
Electrical Specifications	
Frequency Range	5725-5850MHz
Polarization	Vertical or Horizontal
Gain	27dBi
VSWR	≤1.5
3dB Beamwidth	H:6°
3dB Beamwidth	E:7°
F/B Ratio	≥25dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Mounting Mast size	Φ30-Φ50mm
Dimensions	600x400mm
Weight	1.5kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

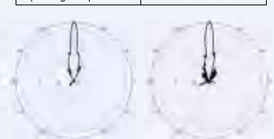


H E

5150-5850MHz 23dBi Grid Antenna



Model	CW-DA008
Electrical Specifications	
Frequency Range	5150-5850MHz
Polarization	Vertical
Gain	23dBi
VSWR	≤1.8
Vertical Beamwidth	12 °
Horizontal Beamwidth	10°
F/B Ratio	≥25dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Mounting Mast Size	Φ30-50mm
Dimensions	300x400mm
weight	1.0kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

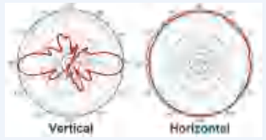


H E

4400-5000MHz 6dBi Omni Antenna with N-male Connector



Model	CW-DEO01
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	Vertical
Gain	6dBi
VSWR	≤1.8
3dB Beamwidth	H:360°
3dB Beamwidth	E:21°
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection?	DC Ground
Mechanical Specifications	
Connector	N-male
Dimensions	Φ120x200mm
Weight	0.55kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +80℃

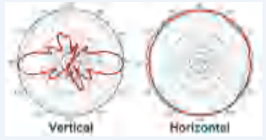


Vertical Horizontal

4400-5000MHz 6dBi Omni Antenna with N-male Connector



Model	CW-DEO02
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	Vertical
Gain	6dBi
VSWR	≤1.8
3dB Beamwidth	H:360°
3dB Beamwidth	E:21°
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	N-male
Dimensions	Φ20x200mm
Weight	0,55kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +80℃

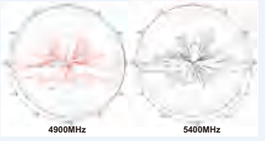


Vertical Horizontal

4400-5000MHz 9dBi Omni Antenna with N-male Connector



Model	CW-DEO03
Electrical Specifications	
Frequency Range	4900-5850MHz
Polarization	Vertical
Gain	9dBi
VSWR	≤1.8
3dB Beamwidth	H:360°
3dB Beamwidth	E:8°
Nominal Impedance	50Ω
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	N-male
Dimensions	Φ20x600mm
Weight?	0.45kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃



4900MHz 5400MHz

4400-5000MHz 9dBi Omni Antenna

Model	CW-DEO04
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	Vertical
Gain	9dBi
VSWR	≤1.8
3dB Beamwidth	H:360°
3dB Beamwidth	E:8°
Nominal Impedance	50O
Maximum Power	100W
Lightning protection	DC Ground
Mechanical Specifications	
Connector	N-Female(bulkhead type)
Dimensions	Φ20x600mm
Weight (Include Bracket)	0,63kg
Mounting Mast size	/
Max. Wind Velocity	210km/h
Operating Temperature	-40～+60℃

4900MHz 5400MHz

4400-5000MHz High Quality15dBi Omni Antenna

Model	CW-DEO05
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	Vertical
Gain	12dBi
VSWR	≤1.8
3dB Beamwidth	H:360°
3dB Beamwidth	E:7°
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N-Female
Mounting Mast size	Φ30-Φ55mm
Dimensions	Φ32x800mm
Weight	1.2kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

H E

4400-5000MHz High Quality 9dBi Omni Antenna

Model	CW-DEO06
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	Vertical
Gain	8dBi
VSWR	≤1.8
3dB Beamwidth	H:360°
3dB Beamwidth	E:12°
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	N Female
Mounting Mast Size	Φ30-Φ55mm
Dimensions	Φ532x550mm
Weight	1.11kg
Max. Wind Velocity	210km/h
Operating Temperature	-40 ~ +60℃

H E

4400-5000MHz 10dBi High-quality Dual Polarized MIMO Omni Antenna



Model	CW-DEO07
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	H+V
Gain	10dBi
VSWR	≤1.8
3dB Beamwidth	H: 360°
3dB Beamwidth	E: 10°
Port-to-port Isolation	≥30dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	2xN-Female
Mounting Type	Mast Mount
Mounting Mast size	Φ38-60mm
Dimensions	Ø72×490 mm
Weight	2.0kg
Max. Wind Velocity	210km/h
Operating Temperature	-40°C to +65 °C



H-Pol @ 5550MHz V-Pol @ 5550MHz

4400-5000MHz 12dBi High-quality Dual Polarized MIMO Omni Antenna



Model	CW-DEO08
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	H+V
Gain	12dBi
VSWR	≤1.8
3dB Beamwidth	H: 360°
3dB Beamwidth	E: 8°
Port-to-port Isolation	≥26dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection	DC Ground
Mechanical Specifications	
Connector	2xN-Female
Mounting Type	Mast Mount
Mounting Mast size	Φ38-60mm
Dimensions	Ø72×600mm
Weight	2.2kg
Max. Wind Velocity	210km/h
Operating Temperature	-40°C to +65 °C



H-Pol @ 5550MHz V-Pol @ 5550MHz

4400-5000MHz 6dBi Dual Polarized MIMO Omni Antenna



Model	CW-DEO09
Electrical Specifications	
Frequency Range	4400-5000MHz
Polarization	H+V
Gain	6dBi
VSWR	≤2.0
3dB Beamwidth	H: 360°
3dB Beamwidth	E: 26°
Port-to-port Isolation	≥26dB
Nominal Impedance	50Ω
Maximum Power	100W
Lightning Protection?	DC Ground
Mechanical Specifications	
Connector	2xN-Female
Mounting Type	Mast Mount
Mounting Mast size	Φ40-60mm
Dimensions	ø 76×350 mm
Weight	1.0kg
Max. Wind Velocity	210km/h
Operating Temperature	-40°C to +65 °C

RF Cable Assemblies



RF & Mini Coaxial Cable Assembly
OD:0.81/0.98/1.13/1.32/1.37/1.48mm
RF Flexible & Semi-Rigid Cable Assembly
RG/LMR low loss Coaxial Cable Assembly
Pigtail Micro Coaxial Cable Assembly



RF Coaxial Connectors

Wireless Communication
Telecommunication Mobile Communication
Satellite Communication
Data Communication



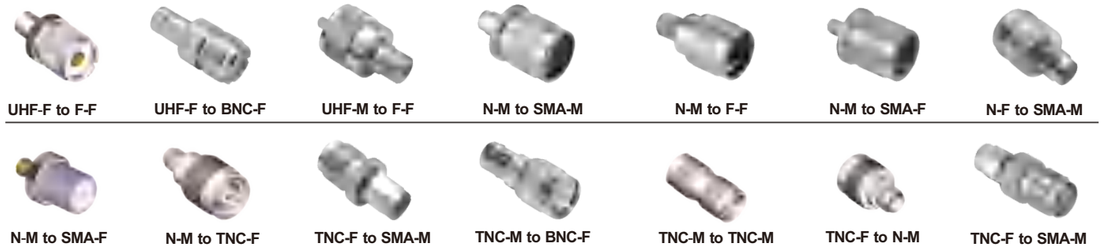
Surge arrester



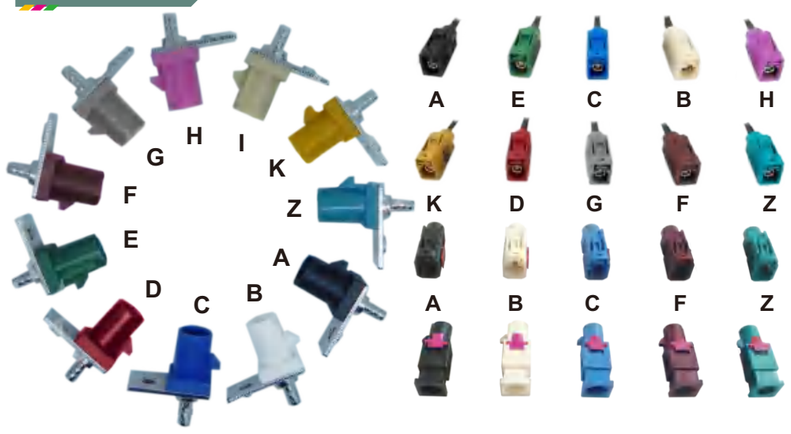
Rf cable



Connector



FAKRA series



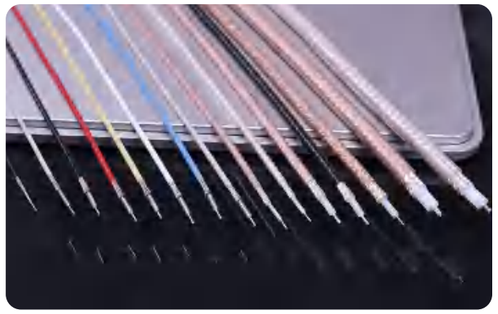
Coding	Descnption	jack	plug	color/RAL - Nr.
A	Radio without phantom supply			Black/9005
B	Radio with phantom supply			White/9001
C	GPS: telematics or navigation			Blue/5005
D	GSM Cellular phone			Bordeauxviolet /4004
E	TV1			Green/6002
F	TV2			Brown/8011
G	Remote control keyless entry			Grey/7031
H	Radio controlled parking heating			Violett/4003
I	Bluetooth			Beige/1001
K	Radio with IF			Curry/1027
Z	Neutral coding			Waterblue/5021

Specifications of coaxial cable

Specifications of coaxial cable









		Jacket 外被		Shield 编制		Dielectric 绝缘体		Conductor 导体	
Cable Type No. 类型	Impedance 阻抗	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料
0.81	50Ω	0.81	FEP	0.65	Ag-Cu	0.4	FEP	1*0.15	Ag-Cu
1.13	50Ω	1.13	FEP	0.88	Ag-Cu	0.68	FEP	1*0.24	Ag-Cu
1.32	50Ω	1.32	FEP	1.12	Ag-Cu	0.68	FEP	1*0.24	Ag-cu
1.37	50Ω	1.37	FEP	1.18	TC	0.9	FEP	1*0.31	Ag-cu
RG-178	50Ω	1.83	FEP	1.3	TCU	0.86	PTFE	7*0.102	TCU
RG-316	50Ω	2.6	FEP	1.95	TCU	1.5	PTEF	1*0.54	TCU
RG-142/U	50Ω	5.232	FEP	0.12	SPC	2.946	PTFE	1*0.93	SPC
RG-188/U	50Ω	2.794	PTFE	1.95	SPC	1.524	PTFE	7*0.17	SPCCS
RG-196/U	50Ω	2.032	PVC/PE	1.3	SPC	0.864	PTFE	7*0.010	SPC
RG-400/U	50Ω	4.953	FEP	3.95	SPC	2.946	PTFE	19*0.203	SPC
SFF-50-1	50Ω	1.8	FEP	1.3	SPC	0.87	PTFE	1*0.30	SPC
SFF-50-1.5-1	50Ω	2.55	FEP	1.92	SPC	1.5	PTFE	7*0.18	SPC
SFF-50-1.5-2	50Ω	2.9	FEP	2.4	SPC	1.52	PTFE	7*0.18	SPC
SFF-50-2-1	50Ω	3.3	FEP	2.6	SPC	2.2	PTFE	1*0.73	BC
SFF-50-2-2	50Ω	4	FEP	3.45	SPC	2.2	PTFE	7*0.26	BC
SFF-50-3-1	50Ω	4.2	FEP	3.45	SPC	3	PTFE	1*0.94	
SFF-50-3-2	50Ω	4.2	FEP	3.95	SPC	3	PTFE	7*0.34	SPCCS
SFF-75-1.5-1	75Ω	2.55	FEP	1.9	SPC	1.5	PTFE	7*0.10	SPC
SFF-75-1.5-2	75Ω	3.2	FEP	2.4	SPC	1.5	PTFE	7*0.10	SPC
SFF-75-3-1	75Ω	4.5	FEP	3.4	SPC	3	PTFE	1*0.55	SPC
SFF-95-3	75Ω	3.58	FEP	3	SPC	2.59	PTFE	7*0.10	SPC
RG-179/U	75Ω	2.388	FEP	1.9	TC/SPC	1.448	PTFE	7*0.102	SPC
RG-187/U	75Ω	2.794	PTFE	2.04	SPC	1.6	PTFE	7*0.102	SPCCS

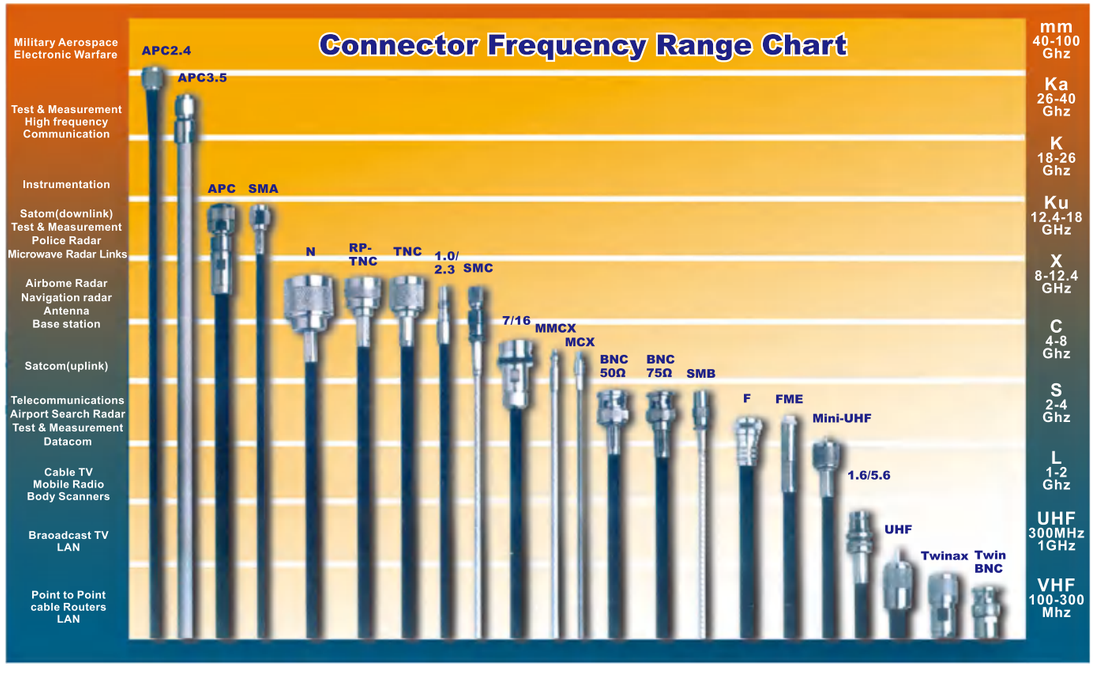
Cable Loss v.s. Frequency(dB) 电缆损耗 V. S. 频率（DB）																	
0.9GHz	1.8GHz	2.5GHz	3.5GHz	6GHz	0.03GHz	0.1GHz	0.2GHz	0.4GHz	1GHz	2GHz	3GHz	4GHz	5GHz	11GHz	Max.Vol 最大耐压	Temp. 工作温度
3	4.5	5.3	6.5	9.4											1000	-40/+200
2	2.8	3.5	4.1	5.4											1000	-40/+200
									2.1	3	3.7	4.3	5			-40/+90
									1.7	2.5	3	3.5	4			-55/+200
1.4	2	2.2		4.3											1000	-55/+200
0.8		1.4													1200	-55/+200
						0.125		0.256	0.42		0.781		1.05			-55/+200
						0.262		0.531	0.856		1.532				1200	-55/+250
						0.453		0.912	1.62						1000	-55/+250
						0.144		0.295	0.482		0.883		1.184	1.899	1400	-55/+250
					0.33	0.453	0.85	0.912	1.457		3.4				100	-60/+200
					0.19	0.262	0.5	0.531	0.856		2				1200	-60/+200
					0.19	0.262	0.5	0.531	0.856		2				1200	-60/+200
					0.12		0.31				1.27				2000	-60/+200
					0.12		0.31				1.27				200	-60/+200
					0.086	0.125	0.23	0.256	0.42		0.95				1900	-60/+200
					0.086	0.125	0.23	0.256	0.42		0.95				1900	-60/+200
						0.268		0.549	0.883						2800	-60/+200
						0.266		0.541	0.869						1200	-60/+200
						0.125		0.31	0.49						1900	-60/+200
						0.207		0.42	0.677						1500	-60/+200
						0.266		0.541	0.869						1200	-55/+200
						0.266		0.541	0.869						1200	-55/+250

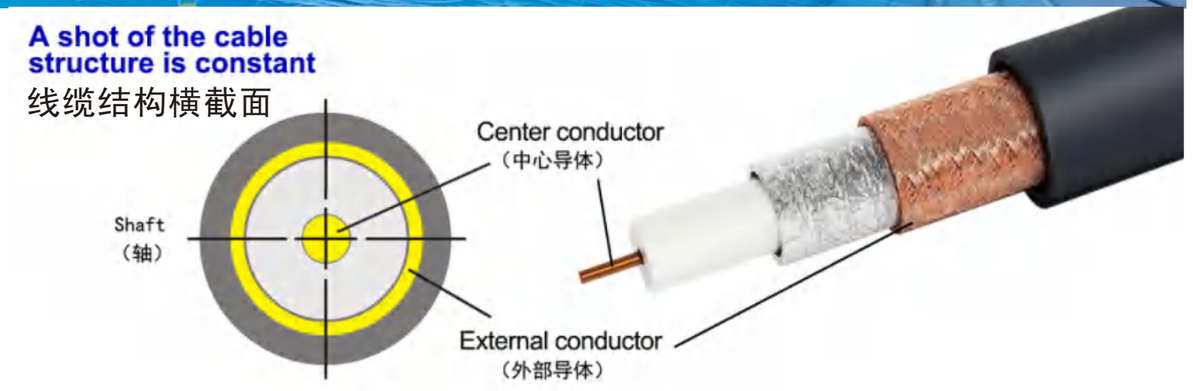
		Jacket 外被		Shield 编制		Dielectric 绝缘体		Conductor 导体	
Cable Type No. 类型	Impedance 阻抗	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料
RG-174/U	50Ω	2.6	PVC	2.05	TCU	1.52	PE	7*0.16	BCU
RG-58/U	50Ω	4.95	PVC	3.45	TC	2.95	PE	19*0.18	TCU
RG-58A/U	50Ω	4.9	PVC	0.13	TC	2.946	PE	19*0.2	TC
RG-58C/U	50Ω	5.08	PVC	0.13	TC	2.946	PE	19*0.180	TC
RG-213/U	50Ω	10.287	PVC	0.18	OFC	7.239	PE	7*0.752	OFC
RG-223/U	50Ω	5.486	PVC	3.95	SPC	2.946	PE	1*0.889	SPC
RG-214/U	50Ω	10.795	PVC/PE	0.16	SPC	7.239	PE	7*0.752	SPC
5D-FB	50Ω	7.5	PVC	5.7	TC	5	PE	1*1.80	BC
3D-FB	50Ω	5	PVC/PE	3.55	TC	3	PE	1*1.00	OFC
7D-FB	50Ω	9.8	PVC/PE	8	TC	7.3	PE	1*2.60	BC
8D-FB	50Ω	11.1	PVC/PE	8.6	TC	7.8	PE	1*2.80	OFC
10D-FB	50Ω	13	PVC/PE		TC	10	PE	1*3.50	OFC
5C-FB(75-5)	75Ω	7	PVC			4.7	PE	1*1.00	BC/TC
6C-FB(75-5)	75Ω	7.8	PVC			5.7	PE	1*1.00	BC/TC
7C-FB(75-5)	75Ω	90.2	PVC			6.9	PE	1*1.16	BC/TC
9C-FB(75-5)	75Ω	11.2	PVC			8.7	PE	1*2.05	BC/TC
RG-6/U	75Ω	7.2	PVC			4.7	PE	1*1.0	BC/TC
RG-59/U	75Ω	6	PVC			3.71	PE	1*0.643	BC/TC
RG-62/U	75Ω	6	PVC			3.71	PE	1*0.643	BC/TC

Cable Loss v.s. Frequency(dB) 电缆损耗V. S. 频率（DB）																								
1 MHz	10 MHz	30 MHz	100 MHz	0.9 GHz	1.8 GHz	2.5 GHz	3.5 GHz	6 GHz	0.05 GHz	0.1 GHz	0.15 GHz	0.2 GHz	0.28 GHz	0.35 GHz	0.4 GHz	0.55 GHz	0.8 GHz	1 GHz	3 GHz	5 GHz	11 GHz	Max.Vol 最大耐压	Temp. 工作温度
				0.89	1.4	1.7	2.1	3.5														1500	-40/+80
				0.37	0.41	0.9		1.7														1900	-40/+80
																						1900	-40/+80
									4.7			9				15.8	19					1900	-40/+80
										0.066					0.141			0.24				5000	-40/+80
										0.13					0.27			0.44	0.81	1.1	1.78	1400	-25/+70
										0.066					0.141			0.24	0.646	1.109		5000	-40/+80
										6.3	7.8		10.8	12.1	13		18.9						-25/+70
										10.4	13		17.5	19.5	21		30						-25/+70
										4.3	5.3		7.3	8.3	9		13.1						-25/+70
											5.2	6.1	7.3	8.2	8.6		12.3						-25/+70
											4.1	4.8	5.5	6.2	7		10						-25/+70
									4.4			9			13.2		19						
									3.8			7.7			10.8		16.3						
									3			5.9			9.2		12.8						
									2.3			4.6			5.4		9.9						
7.9	2.8	48	92																				
10	2.8	66	125																				
11	5.9	66	102																				

BC.OFC.TC.SPC/Ag-Cu.CCA.CCAM.CCS.SPCCS.
AL.PE.LDPE.PVE.FEP.PTFE.SFT.SFF.

Copper tube.Termary Alloy Plated Seamless.
Tin Plated Copper tube.Nickel plated Seamless.





Coaxial detail

Coaxial means that the inner conductor and the outer conductor are on the same axis. The inne conductor ACTS as the transmission channel and the outer conductor ACTS as the transmissic n loop.Inner conductors are usually single (or concentric) bare or tinned copper.External condúi 'ctors can be braided or wound with tin-plated copper or bare copper (some manufacturers use: copper clad steel, aluminum or magnesium alloy wire, etc.) to cut prices. The basic structure of coaxial is the inner conductor + insulation + outer conductor + outer sheath.

		Jacket 外被		Dielectric 绝缘体		Conductor 导体	
Cable Type No. 类型	Impedance 阻抗	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料
SFT047/50	50Ω	1.19	copper tube Termary Alloy Plated Seamless Tin Plated Copper tube Nickel plated Seamless	0.94	PTFE	0.29	SPC / SPCCS
SFT086/50	50Ω	2.2		1.68	PTFE	0.52	SPC / SPCCS
SFT141/50	50Ω	3.58		3	PTFE	0.93	SPC / SPCCS
SFT250/50	50Ω	6.35		5.31	PTFE	1.65	SPC / SPCCS

Cable Loss v.s. Frequency(dB) 电缆损耗 V. S. 频率 （DB）						
0.5G	0.1GHz	5GHz	10GHz	20GHz	Max.Vol 最大耐压	Temp. 工作温度
0.79	1.13	2.59	3.74	5.44	1000	-55/+125
0.45	0.64	1.51	2.22	3.29	1000	-55/+125
0.26	0.38	0.91	1.37	2.09	1000	-55/+125
0.16	0.23	0.58	0.89	1.57	1000	-55/+125

		Jacket 外被		Shield 编制		Dielectric 绝缘体		Conductor 导体	
Cable Type No. 类型	Impedanc 阻抗	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料	Dia 直径	Material 材料
LMR-100	50Ω	2.79	PE	2.11	TCU	1.55	PE	1*0.46	BCU
LMR-195	50Ω	4.95	PE	3.53	TC	2.79	PE	1*0.94	OFC
LMR-200	50Ω	4.95	PE	3.66	TCU	2.95	PE	1*1.12	BCU
LMG-240	50Ω	6.1	PVC/PE		TC	3.81	PE	1*1.42	CCA /BC
LMR-300	50Ω	7.62	PVC/PE		TC	4.83	PE	1*1.78	OFC
LMR-400	50Ω	10.29	PE	8.13	TC	7.24	PE	1*2.70	CCA

Cable Loss v.s. Frequency(dB) 电缆损耗V. S. 频率（DB）												
0.05 GHz	0.15 GHz	0.3 GHz	0.45 GHz	0.5 GHz	0.9 GHz	0.96 GHz	1.8 GHz	2.0 GHz	2.5 GHz	6 GHz	Max.Vol 最大耐压	Temp. 工作温度
					0.7		1.1		1.3	2.1	2000	-40/+85
8.53	14.43	20.74	25.6	26.95		37.3					3000	-40/+85
					0.32		0.46		0.55	0.96	3000	-40/+85
5.7	9.9		17.3		24.8		35.6	37.7				-40/+85
4.5	7.9		13.8		19.9		28.7	30.3			2000	-40/+85
2.92	4.92	7.2	8.86	9.39		13.22					3000	-40/+85

Drone transmission antenna

Uav antenna
VR headset antenna
Image transmission antenna
Three leaf, four leaf antenna, mushroom antenna, Y branch antenna,etc.

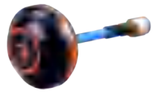








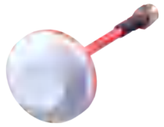
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CW-P002



CW-P003



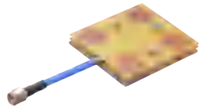
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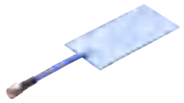
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CW-P006



CW-P007



CW-P008



CW-P009



CW-P010



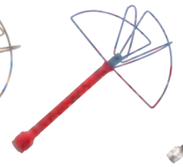
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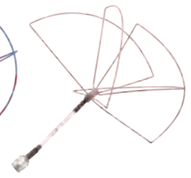
CW-P012



CW-P013



CW-P014



CW-P015



CW-P016



CW-P017



CW-P018



CW-P019

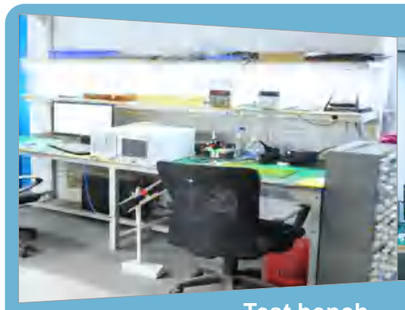


CW-P020

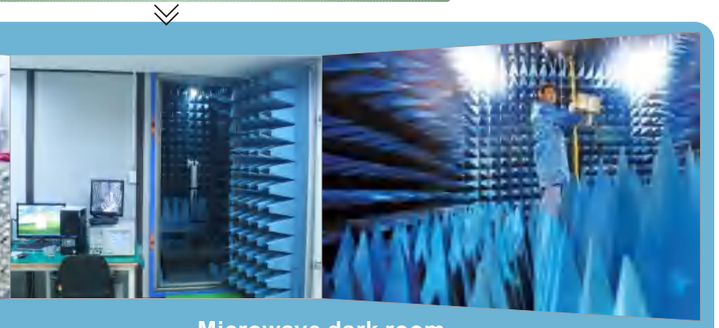
PARAMETER

Antenna Type 天线类型	Style 外观款式	Frequency 频率范围 （MHz）	Gain 增益 dBi	VSWR 驻波比
FPV An tenna	3leaf,4leaf,Mushroom, Patch ,Panel,Spring helical,Pagodo any customized.	800/900/1.2GHz /1.4GHz/1.5GHz 2.4GHz/5.8GHz (5.7GHz - 5.9GHz)	1dBi,2dBi,3dBi,5dBi ,8dBi,12dBi etc.	⩽1.5
Voltage 工作电压	**Poarization 极化方式**	**Impedance 阻抗 Ω**	**Connector type 接头类型**	**Cable Type 线材类型**
3-5V	RHCP	50	SMA Male/ RP-SMA Male/MMCX / IPEX etc.	RG316/RG141/OD 1.13 or other requested

产品研发中心 Product r&d center



Test bench



Microwave dark room

一 车 间 The first workshop



CNC automatic machine tool



CNC related products

二 车 间 The second workshop



Shop line



Terminal forming machine /injection molding machine



Terminal machine/ultrasonic wave



Automatic and semi-automatic stripper