



GML Wireless Antenna Quick Reference Guide

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1. WLAN Antenna

A. Dipole



Frequency : 2.4 GHz, 2.4GHz/High Gain, 2.4/5GHz/Dual Band, 5GHz Full Band

Gain : 2dBi, 3dBi, 4dBi, 5dBi, 6dBi, 7dBi

Connector : SMA/TNC

B. MIMO



Frequency : 2.4 GHz, 2.4GHz/High Gain, 2.4/5GHz/Dual Band, 5GHz Full Band

Gain : 2dBi, 3dBi, 4dBi, 5dbi, 6dBi, 7dBi

Connector : SMA Plug/Jack Reverse



C. REA Indoor

DS-06A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 6dBi (Excluding cable loss)

Dimensions : 80(L)*80(W)*158(H)mm

DS-06B



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 6dBi (Excluding cable loss)

Dimensions : 80(L)*64(W)*158(H)mm

DS-68A



Compliant with IEEE802.11a/b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 5.15~5.85GHz

Gain : 6dBi (Excluding cable loss)

Dimensions : 80(L)*64(W)*158(H)mm



DD-68B



Compliant with IEEE802.11a/b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 4.9~5.85 GHz

Gain : 6dBi / 8dBi (Excluding cable loss)

Dimensions : 70(L)*80(W)*105(H)mm

OS-05A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 5dBi (Excluding cable loss)

Dimensions : ϕ 50(L)*201(H)mm

OF-04A



Compliant with IEEE802.11b/g ; IEEE802.16e

Frequency : 2 ~ 6 GHz

Gain : 4dBi@2.45GHz

Dimensions : 182(L)*175(W)*46(H)mm



OS-02A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 4.9 ~ 5.85GHz

Gain : 2dBi (Excluding cable loss)

Dimensions : ϕ 35*105(H)mm

OD-35A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 4.9 ~ 5.85GHz

Gain : 2dBi (Excluding cable loss)

Dimensions : ϕ 35*105(H)mm

OD-47A



Compliant with IEEE802.11a/b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 4.9 ~ 5.85GHz

Gain : 4dBi / 7dBi (Excluding cable loss)

Dimensions : 80(L)*40(W)*195(H)mm



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OS-05B



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 5dBi (Excluding cable loss)

Dimensions : ϕ 65(L)*190(H)mm

OS-07A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 7dBi (Excluding cable loss)

Dimensions : 115(W)*70(L)*300(H)mm



D. REA Outdoor

DS-09A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 9dBi (Excluding cable loss)

Dimensions : 120(L)*120(W)*40(H)mm

DS-14A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 14dBi (Excluding cable loss)

Dimensions : 240(L)*240(W)*40(H)mm

DS-18A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 18dBi (Excluding cable loss)

Dimensions : 360(L)*340(W)*65(H)mm



OS-05A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 5dBi (Excluding cable loss)

Dimensions : ϕ 21*325(H)mm

OS-08A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 8dBi (Excluding cable loss)

Dimensions : ϕ 21*625(H)mm

OS-12A



Compliant with IEEE802.11b/g

Frequency : 2.4 GHz ~ 2.5 GHz

Gain : 12dBi (Excluding cable loss)

Dimensions : ϕ 44*1200(H)mm



DS-20A



Compliant with IEEE802.11a

Frequency : 4.9 GHz ~ 5.85 GHz

Gain : 20dBi (Excluding cable loss)

Dimensions : 240(L)*240(W)*40(H)mm

OS-12B



Compliant with IEEE802.11a

Frequency : 5.4 GHz ~ 5.85 GHz

Gain : 12dBi (Excluding cable loss)

Dimensions : \varnothing 44*830(H)mm

OD-58A



Compliant with IEEE802.11a/b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 5.15 GHz ~ 5.85 GHz

Gain : 5dBi /8dBi (Excluding cable loss)

Dimensions : \varnothing 44*505(H)mm



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OD-89A



Compliant with IEEE802.11a/b/g

Frequency : 2.4 GHz ~ 2.5 GHz / 5.15 ~ 5.85 GHz

Gain : 8dBi / 9dBi(Excluding cable loss)

Dimensions : ϕ 44*830(H)mm



E. Accessories

AR-3GA



Frequency Range : DC-3 GHz

VSWR : 1 : 3 : 1 Max

Impedance : 50ohm

Insulation Resistance : \geq 10000Mohm

Insertion Loss : 0.5dB Max. (0~3GHz)

Connector : N-Plug/Jack

AR-3GB



Frequency Range : DC-3 GHz

VSWR : 1 : 3 : 1 Max

Impedance : 50ohm

Insulation Resistance : \geq 10000Mohm

Insertion Loss : 0.5dB Max. (0~4GHz)

Connector : N-Plug/Jack



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AR-6GA



Frequency Range : DC-6 GHz

VSWR : 1 : 3 : 1 Max

Impedance : 50ohm

Insulation Resistance : \geq 10000Mohm

Insertion Loss : 0.5dB Max. 0.8dB Max. (0~6GHz)

Connector : N-Plug/Jack



2. WiMax Antenna

A. CPE

DS-09B



Compliant with IEEE802.16e

Frequency : 3.3 GHz ~ 3.8 GHz

Gain : 9dBi (Excluding cable loss)

Dimensions : 120(L)*120(W)*40(H)mm

DS-15A



Compliant with IEEE802.16e

Frequency : 3.3 GHz ~ 3.8 GHz

Gain : 15dBi (Excluding cable loss)

Dimensions : 240(L)*240(W)*40(H)mm

DS-18B



Compliant with IEEE802.16e

Frequency : 3.3 GHz ~ 3.8 GHz

Gain : 18dBi (Excluding cable loss)

Dimensions : 360(L)*340(W)*65(H)mm



3. Outdoor Antenna

WLAN outdoor antenna



Frequency : 2.4GHz, 5GHz, 2.4/5GHz

Gain : 2 dBi, 5dBi, 7dBi, 9, 12dBi, 14dBi, 18dBi, 21dBi, 24dBi

Type : dipole, swivel, omni-directional, directional, Yagi, grid, sector, panel
type

Wimax outdoor antenna



Frequency : 2.3- 2.7GHz or 3.3- 3.8GHz

Gain : 2 dBi, 8dBi, 10dBi, 12dBi, 14dBi, 17dBi, 20, dBi

Type : dipole, swivel, omni-directional, directional, Yagi, sector, panel types

Yagi GSM Antenna



Frequency : 824 ~ 960 MHz

Gain : 11 dBi

Dimensions : 360(L)*340(W)*65(H)mm



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Yagi WLAN Antenna



Frequency : 2.4 ~ 2.5 GHz

Gain : 15 dBi

Dimensions : 360(L)*340(W)*65(H)mm

Microwave frequencies



Frequency : UHF/VHF, 5.8 GHz, 10 GHz

Gain : 11 dBi, 21dBi, 25dBi

Type : Yagi, sector, directional, solid dish



4. Base Station Antenna

Base Station Antenna



Frequency : GSM, GPRS, EDGE, CDMA, PCS, UMTS (WCDMA, CDMA2000,

TDSCDMA), WiFi, WiMax

Gain : 8 dBi, 11dBi, 16dBi, 18dBi

Type : omni-directional, directional, Yagi, sector, panel types



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5. Laptop/PC Antenna

Laptop/PC Antenna



Band : WLAN 802.11a/g/n, bluetooth, GSM, GPRS,

GPS,UWB

Type: PIFA, FPC



6. Mobile Antenna

GSM/CDMA/3G Multi-Band



Band : GSM/CDMA/3G, multi-bands

Type : PIFA, Helix, FPCB, Insert Molding, Monopole

Blue tooth/Wi-Fi Antenna



Band : 2.45GHz

Type : PIFA, PCB, Insert Molding

GPS Patch/PIFA Antenna



Band : 1757MHz

Type : ceramic patch, ceramic PIFA, metal PIFA, FPCB

DVB-H Antenna



Type : Extrenal Retractable Antenna

We offer a variety of DVB-T antennas



7. GPS Antenna

GPS Patch Antenna



Gain : 5dbi, 3dBi, 1.5dBi, -1dBi, -1.5dBi

Dimensions : 25x25 / 18x18 / 15x15 / 13x13 / 12x12 / 11.25x11.25mm

Thinckness : 6 / 4 / 3 / 2mm

GPS PIFA Antenna



Gain : 1.938dBi / 0.5dBi

Frequency : 1575Mhz ref.

Dimension : 18(L)*3.5(W)*5(H)mm ; 10(L)*4(W)*3(H)mm

GPS Active Antenna



Application : car navigation system

Function : GPS, GPS 2 in 1(GPS 4bands, SDARS, AMPS, PCS)

Connector : SMA, MCX, MMCX



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GPS external antenna



Type : external, LNAx1/x2/x3

Cable : RG174, RG178

Connector : SMA, MCX, MMCX, SMB

GPS Dongle



Type : Software GPS Receiver



8. RFID

RFID TAG



We focus on UHF band (902~928 MHz) RFID application, including Metal, Glass, Carton, Vehicle Windshield and Human Access application.

- MR-T-1001 Human Access Management Tag
- MR-T-2001 Glass / Metal Tag
- MR-T-3001 Carton Tag

RFID Antenna



RFID external antenna extends the reader to somewhere you want to set up to transceive / receive the signal from Tag. We offer Circular / Linear antenna with Outdoor / Indoor case for USA (915 MHz) / Europe (868 MHz) and the other different areas.