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# **Taoglas GA.110 Wideband 4G-5G Magnetic Whip Antenna**

SKU  
ANT-TG-00008  
MPN  
GA.110.101111

## **Description**

The GA.110 magnetic ultra-wideband cellular antenna delivers stable high omni-directional gain and efficiencies across all common 3G, 4G, and 5G cellular bands from 700 MHz to 3.5 GHz.

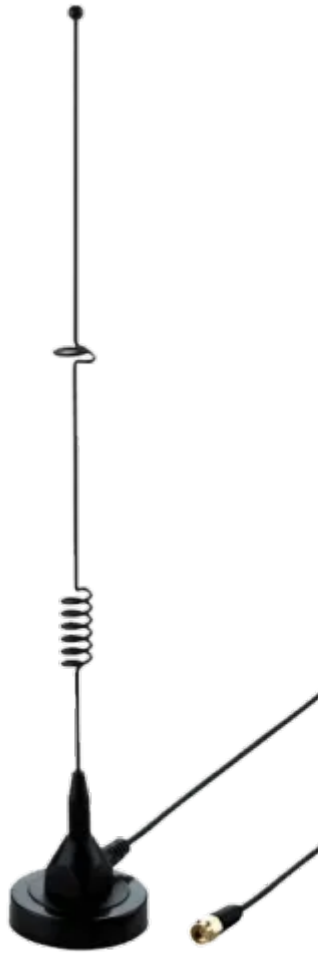
This high performing antenna can be used for all cellular devices and will not require changing antennas when deploying from country to country or technology to technology like 3G to 4G. Being magnetic mount it is designed to be mounted on a ground plane for optimal performance.

A reliable return loss of <10 dB when mounted on a metal plate ensures it complies with the industry standards set by module makers and networks worldwide. Taoglas recommends using the antenna with 1 m cable length or less and can provide customised connectors and cable lengths upon customer requirements.

### [Read More](#)

The strong magnet base is extremely stable and robust, using only high quality neodymium magnets for a secure magnetic mount to ensure a high pull force to disengage.

- Strong neodymium magnetic mount
- Flexible black whip
- Wideband covering all major cellular bands from 698 to 3500 MHz
- Ground plane dependent
- 1 metre RG174 cable with SMA Male straight connector
- Fully customizable cable length and connector



## Taoglas

Taoglas provides a comprehensive range of external, embedded and base station antenna solutions for M2M applications such as Telematics / Automotive, Smart-Grid, Metering / Telemetry, Home Automation, Remote Monitoring and Medical applications.

Taoglas' cross-cultural business-solutions approach means research, design, production and customer support services are based at our world-class technology ...

# RF Specification

Start Frequency

698 MHz

Stop Frequency

3600 MHz

Max. Input Power

50 W

Polarisation

[Vertical \(V\)](#)

Input Impedance

50 Ω

RF Connectors

**Ports RF Interface Body Shape Cable Series Length**

1      [SMA Male](#)      [Straight](#)      [RG-174](#)      1000 mm

Frequency Test Data

**Start Freq. Stop Freq. Peak Gain VSWR Avg. Gain Efficiency**

698 MHz      824 MHz      1.8 dBi      < 2.5:1 -4.9 dBi      33%

824 MHz      960 MHz      2.6 dBi      < 2.5:1 -2.4 dBi      57%

1575 MHz      1576 MHz      1.3 dBi      < 2:1 -3.4 dBi      46%

1710 MHz      2170 MHz      3.9 dBi      < 2:1 -3.3 dBi      47%

2300 MHz      2700 MHz      2.9 dBi      < 2:1 -4.4 dBi      37%

3400 MHz      3600 MHz      0.6 dBi      < 2.5:1 -7.2 dBi      19%

# Physical Specification

Subtype

[Whip](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

Dimensions

298 x 50 (H x Dia)

Materials

[ABS Plastic](#), [Brass](#)

Mounting

[Magnetic](#)

Weight

0.12 kg

Compliance/Certifications

ISO 9001 Quality Management

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