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## **Taoglas MA412 Storm 3G & 4G 2x2 MIMO Stud Antenna - 3m cable**

SKU  
ANT-TG-00013  
MPN  
MA412.A.BI.003

### **Description**

The Taoglas MA412 Storm 3G & 4G 2x2 MIMO Stud Antenna, part number MA412.A.BI.003, is an advanced solution for robust wireless connectivity. With a compact design measuring 216.24 x 93.25 x 30.95 mm, this antenna is ideal for challenging environments, boasting an IP67 ingress protection rating. Its dual-port configuration supports 2x2 MIMO technology, ensuring high-performance data transmission across frequency ranges from 698 MHz to 2690 MHz.

Each of the two LTE elements provides peak gain values of up to 7.1 dBi, with consistent 360° azimuth beamwidth, facilitating reliable and seamless wireless communication. The antenna's 50  $\Omega$  impedance and linear polarisation optimise signal clarity and strength. The integrated SMA Male connectors are paired with 3m L-200 cables, ensuring easy installation and flexible positioning.

Taoglas, renowned for quality and innovation, designs antennas for diverse M2M applications, including Telematics, Smart...

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## [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**

Cable 1: LTE

Start Frequency

698 MHz

Stop Frequency

2690 MHz

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface Body Shape Cable Series Length

1 [SMA Male](#) [Straight](#) [L-200](#) 3000 mm

Frequency Test Data

Start Freq. Stop Freq. Peak Gain Azimuth

698 MHz 960 MHz 5.37 dBi 360°

1710 MHz 2170 MHz 6.24 dBi 360°

2490 MHz 2690 MHz 7.11 dBi 360°

Cable 2: LTE

Start Frequency

698 MHz

Stop Frequency

2690 MHz

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

Ports RF Interface Body Shape Cable Series Length

1 [SMA Male](#) [Straight](#) [L-200](#) 3000 mm

Frequency Test Data

Start Freq. Stop Freq. Peak Gain Azimuth

698 MHz 960 MHz 5.37 dBi 360°

1710 MHz 2170 MHz 6.24 dBi 360°

2490 MHz 2690 MHz 7.11 dBi 360°

# Physical Specification

Subtype

[Fin / Stud / Combo](#)

Input Ports

2

MIMO

[2x2 MIMO](#)

Dimensions

216.24 x 93.25 x 30.95

Ingress Protection

[IP67](#)

Compliance/Certifications

RoHS

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