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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 Ω 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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