

# 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 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	Polarisation:	Linear
Stop Frequency:	2690 MHz	Input Impedance:	50

### 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	Polarisation:	Linear
Stop Frequency:	2690 MHz	Input Impedance:	50

### 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	Dimensions:	216.24 x 93.25 x 30.95
Input Ports:	2	Ingress Protection:	IP67
MIMO:	2x2 MIMO	Compliance/Certifications:	RoHS

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