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Taoglas G30 Olympian Wideband 4G / IoT Stud Antenna

SKU
ANT-TG-00002
MPN
G30.B.108111

Description

The G30 Olympian is a high performance screw mount wide-band cellular antenna for external use on vehicles and outdoor assets worldwide. Omnidirectional high gain and high efficiency across all bands ensures constant reception and transmission. This is vital for today's high data bandwidth applications in video and mobile broadband.

Durable UV resistant ABS housing is resistant to vandalism and direct attack. At only 48 mm height it complies with the latest EU height restrictions directives for roof-mounted objects. This antenna is mounted on metal and plastic structures and is locked from the inside of the structure by a nut. Adhesive foam at the base provides a watertight seal to the mounting structure. High quality waterproof and corrosion resistant Teflon jacket RG316 is used for the cable.

Two of these G30 separated at distance from each other are ideal for the latest LTE MIMO spatial diversity applications.

Customised cable length ...

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The Taoglas G30 Olympian Wideband 4G / IoT Stud Antenna (SKU: ANT-TG-00002) is a high-performance, omnidirectional antenna designed for exterior installation on vehicles and outdoor assets. It offers reliable reception and transmission across all major cellular bands, making it ideal for high-bandwidth applications like video streaming and mobile broadband. Constructed with durable UV-resistant ABS housing, it withstands vandalism and adverse weather conditions, and complies with EU height restrictions at only 48 mm tall.

The G30's screw mount design ensures secure installation on both metal and plastic surfaces, with an internal nut for added stability and adhesive foam for a watertight seal. Its RG316 cable, featuring a Teflon jacket, is both waterproof and corrosion-resistant. The antenna is IP67 rated for waterproofing, making it suitable for demanding environmental conditions.

This antenna supports LTE MIMO spatial diversity...

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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

Start Frequency
698 MHz
Stop Frequency
2800 MHz
Max. Input Power
5 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-316	1000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Avg. Gain	Efficiency
698 MHz	960 MHz	1.2 dBi	< 3:1	-4.5 dBi	40%
1710 MHz	2170 MHz	3.2 dBi	< 3:1	-2.5 dBi	55%
2300 MHz	2483 MHz	1.5 dBi	< 3:1	-4.5 dBi	38%
2500 MHz	2800 MHz	2.5 dBi	< 2:1	-4.5 dBi	40%

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Dimensions
48 x 50 (H x Dia)
Ingress Protection
IP67

Materials
ABS Plastic
Mounting
M12 Stud
Weight
0.07 kg
Compliance/Certifications
ISO 9001 Quality Management

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