

# Dual 4G-Antennas - WAX-2M00V-2B050-SMAM0

DATASHEET



## Dual-LTE low-profil puck antenna for enclosure mounting

The WAX-2M00V-2B050-SMAM0 dual 4G puck antenna (two 4G antenna modules) is suitable for almost any application due to its non-intrusive, flat antenna design and high antenna gain. Its low height makes it insensitive to vandalism and integrates inconspicuously on any control cabinet. As the antenna is ground plane independent, it can also be used on non-metallic surfaces, making it a universal antenna solution for any application. The two integrated 4G modules with separate connectors allow MIMO applications to be implemented.

- Dual 4G antenna for MIMO applications with only one antenna
- 4G puck/planar antenna for indoor and outdoor applications
- Robust design for demanding environmental conditions
- Easy installation because groundplane independent
- High performance with up to 3.5 dBi antenna gain at low VSWR

MODELS	DESCRIPTION	ANTENNA CONNECTOR	ANTENNA CABLE
WAX-2M00V-2B050-SMAM0	4G puck antenna with two 4G modules	2x SMA (m)	30 cm (RG316)

# 4G-Antennas - WAO-GULOV-2B050-SMAM0

## PRODUCT FEATURES



### 2 in 1 Antenna

2 antenna elements and connectors in a single antenna housing.



### 4G/LTE support

Supports all 4G/LTE frequency bands.



### Omnidirectional antenna

Omnidirectional radiation characteristic ideal for most applications.



### Frequency range

This antenna offers 698 - 960 MHz and 1.710 - 2.700 MHz frequency range.



### Antenna gain

3.5 dBi antenna gain.



### IP67 protection

Suitable for outdoor use with IP67 protection against water and dust.

# 4G-Antennas - WAO-GULOV-2B050-SMAM0

## SPECIFICATIONS

WAX-2M00V-2B050-SMAM0	
Antenna elements	2 x 4G
Frequency range	698-960 / 1710-2700MHz
Antenna gain	3.5 dBi
Antenna cable	30 cm (RG316)
Antenna connector	SMA(m)
Compatible with	GSM/GPRS/EDGE, UMTS, 4G, WIFI (2.4 GHz), Bluetooth, Zigbee, LoRa, Sigfox, 869 MHz

GENERAL INFORMATION	
Antenna type	4G-Antenna
Construction type	Low-Profile Antenna
Application area	Indoor/Outdoor
Radiation characteristic	Omnidirectional
Integrated Antenna elements	2 x 4G
Groundplane needed?	No
GSM/GPRS/EDGE frequencies	850 / 900 / 1800 / 1900 MHz
4G/LTE frequencies	700 / 800 / 1800 / 2100 / 2600 MHz
WIFI frequencies	2.4 GHz
License-free ISM bands	869 MHz range
Gain (typical)	2.5 - 3.5 dBi
VSWR	<2.2:1
ELECTRICAL CHARACTERISTICS	
Transmission power (max)	20 W
Impedance	50 Ohm
Polarization	Vertical
PHYSICAL CHARACTERISTICS	
Material	Base: PA6 30% Radome: PA6 30%, UV-stable
Dimensions	100 x 25 mm (Diameter x height)
Protection class	IP67
Mounting	Screw mounting
Operating temperature range	-40 - +80°C

## ELECTRICAL CHARACTERISTICS

FREQUENCIES RANGE (MHz)	GAIN (dBi)
698-960	2.5
1710-2170	3.5
2300-2690	2.0 ±1

## 4G-Antennas - WAX-2M00V-2B050-SMAM0

PRODUCT DIMENSIONS (MM)



### ACCESSORIES ANTENNA CABLE



#### Antenna cable - Configurator

With the Welotec cable configurator it is easy, to find the right coax cable for your needs. Choose your desired cable from a large selection on cable types and combine it with the suitable connection.

#### Available connections:

SMA, RP-SMA, TNC, RP-TNC, BNC, N

#### Available cable types:

RG174, RF195, Aircell 5, RG58, RG223, H155 PE, Aircell 7