







AMGANT-C2W2-ODA4 SERIES INDUSTRIAL HIGH PERFORMANCE CELLULAR & WIFI ANTENNAS



Industrial Wireless Solutions

AMG's low profile high performance antennas provide discreet and efficient performance with robust and reliable connectivity. Supporting multiple MIMO antennas for global 4G/LTE and 2.4, 5 & 6 GHz WiFi inside a single housing.



 Cellular x2 4G/LTE	 Wireless x2 2.4/5/6G	 Temp -40~+80°C	 Waterproof IP67	 Mounting Surface	 NDAA/TAA Compliant
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[AMGANT-C2W2-ODA4 Series]

OVERVIEW

Designed in a compact ASA radome surface mount housing, the AMGANT-C2W2-ODA4 series multiband antennas are ideally suited for providing a highly reliable connection to global 4G/LTE cellular and 2.4/5/6GHz WiFi routers and access points.

The AMGANT-C2W2-ODA4 feature multiple MIMO (multiple-input-multiple-output) antennas inside a single housing providing 2x global 4G/LTE cellular and 2x 2.4/5/6GHz WiFi antennas each with a low-loss RF195 1m cable (other lengths are available on request) and SMA connector.

Antenna performance is 4dBi gain for the global 4G/LTE cellular antennas and 5dBi gain for the 2.4/5/6GHz WiFi antennas.

The AMGANT-C2W2-ODA4 antenna uses a 22.2mm (7/8") diameter, 19mm (3/4") long threaded mount with an integrated gasket for securing to an enclosure, vehicle, building etc.

An optional pole and wall mounting kit is available along with antenna extension cables (up to a maximum of 5M) and are sold separately.

FEATURES

- Compact size – 139mm (5.47") diameter & 63mm (2.48") height provides low profile installation
- -40°C to +80°C temperature maintains performance in extreme environmental conditions
- Surface mount design with integrated gasket and 22.2mm (7/8") threaded mounting point
- 2x integrated global 4G/LTE cellular antennas with 4dBi gain
- 2x integrated 2.4/5/6 GHz WiFi antennas with 5dBi gain
- A magnetic mount version is available as an option
- Available in black or white ASA uv-inhibitive plastic
- Supports IP67 for reliable outdoor installation
- Designed in the USA & UK. Manufactured in the United Kingdom
- AMG Lifetime Support Warranty

Specifications.

Antenna.

4G/LTE Frequency	694 - 960 MHz 1710 - 3700 MHz
WiFi Frequency	2.4 - 2.5 & 4.9 - 6.0 GHz
4G/LTE Gain	4dBi
WiFi Gain	5dBi
VSWR	2:1 Max Over Range
Power Rating	10W

Interface.

Cable Type	4x LL-195
Cable Length	1m (3.28ft)*
4G/LTE Connector	2x SMA (Male)
WiFi Connector	2x SMA (Reverse Polarity)
Nominal Impedance	50 Ohm

Packaging.

Shipping Weight	0.56kg / 1.23lb
Dimensions:	(W x D x H) 220 x 170 x 105 mm 8.66 x 6.69 x 4.13 in

* Longer length cables are available on request. Contact your AMG sales representative.

Mechanical.

Housing Dimensions:	ASA Plastic (W x D x H) 139 x 139 x 63 mm 5.47 x 5.47 x 2.48 in
IP Rating	IP67 (When Mounted Correctly)
Installation	Surface Mount 22.2mm (7/8") Diameter Thread 19mm (3/4") Long Thread Nut, Lockwasher & Gasket
Weight	0.44kg / 0.97lb

Environmental.

Operating Temp.	-40 to +80°C / -40 to +176°F
Storage Temp.	-40 to +85°C / -40 to +185°F
MTBF	>500,000 hours
MTBF Standard	Telcordia SR-332 GF 30°C

Regulatory.

Rail	EN 61373 IEEE 1478
Military	MIL-STD-810G (Shock & Vibration)
Vehicular	TIA-329.2-C
Environmental	Reach, RoHS, WEEE
Supply Chain	NDAA & TAA Compliant

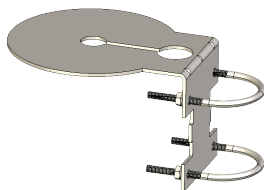
Part Numbers.

Industrial High Performance Cellular & WiFi Antennas

AMGANT-C2W2-ODA4-1B	360° Antenna, 2x Cellular 4dBi Gain, 2x WiFi 5dBi Gain, IP67, Surface Mount, Black
AMGANT-C2W2-ODA4-1W	360° Antenna, 2x Cellular 4dBi Gain, 2x WiFi 5dBi Gain, IP67, Surface Mount, White

Optional Accessories.

AMGMNT-ANT-01	Wall & Pole Mount Kit For 360° Omni-Directional AMGANT-C2W2-ODA4 Series Cellular & WiFi Antennas
CAB5-xx	Cellular Antenna Extension Cable, SMA-Type Male to SMA-Type Female, xxM RF195 Low Loss Cable, Black^
CAB6-xx	WiFi Antenna Extension Cable, RP-SMA-Type Male to RP-SMA-Type Female, xxM RF195 Low Loss Cable, Black^



^ Antenna extension cables are available in lengths from 1M to 5M. Contact AMG Technical Services for advice and support.

In a continuing effort to improve and advance technology, product specifications are subject to change without notice. Please visit www.amgsystems.com for the latest product specifications.

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