






# AMGANT-C2-ODA4 SERIES INDUSTRIAL HIGH PERFORMANCE CELLULAR ANTENNAS



## Industrial Wireless Solutions

AMG's low profile high performance antennas provide discreet and efficient performance with robust and reliable connectivity. Supporting MIMO antennas for global 4G/LTE inside a single housing.



|   |   |  |   |   |
|---|---|--|---|---|
| <br>Cellular<br>x2 4G/LTE | <br>Temp<br>-40~+80°C | <br>Waterproof<br>IP67 | <br>Mounting<br>Surface | <br>NDAA/TAA<br>Compliant |
|---|---|--|---|---|

[ AMGANT-C2-ODA4 Series ]

### / OVERVIEW

Designed in a compact ASA radome surface mount housing, the AMGANT-C2-ODA4 series multiband antennas are ideally suited for providing a highly reliable connection to global 4G/LTE cellular routers.

The AMGANT-C2-ODA4 feature MIMO (multiple-input-multiple-output) antennas inside a single housing providing 2x global 4G/LTE cellular 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.

The AMGANT-C2-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
- 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<br>1710 - 3700 MHz |
| 4G/LTE Gain      | 4dBi                             |
| VSWR             | 2:1 Max Over Range               |
| Power Rating     | 10W                              |

## Interface.

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

## Packaging.

|                 |  |
|-----------------|--|
| Shipping Weight | 0.46kg / 1.01lb  |
| Dimensions:     | (W x D x H)<br>220 x 170 x 105 mm<br>8.66 x 6.69 x 4.13 in |

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

## Mechanical.

|              |   |
|--------------|---|
| Housing      | ASA Plastic   |
| Dimensions:  | (W x D x H)<br>139 x 139 x 63 mm<br>5.47 x 5.47 x 2.48 in   |
| IP Rating    | IP67 (When Mounted Correctly)   |
| Installation | Surface Mount<br>22.2mm (7/8") Diameter Thread<br>19mm (3/4") Long Thread<br>Nut, Lockwasher & Gasket |
| Weight       | 0.34kg / 0.75lb   |

## 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<br>IEEE 1478            |
| Military      | MIL-STD-810G (Shock & Vibration) |
| Vehicular     | TIA-329.2-C                      |
| Environmental | Reach, RoHS, WEEE                |
| Supply Chain  | NDAA & TAA Compliant             |

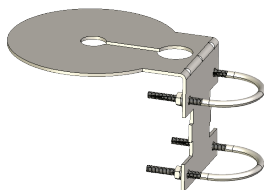
# Part Numbers.

## Industrial High Performance Cellular Antennas

|                   |   |
|-------------------|---|
| AMGANT-C2-ODA4-1B | 360° Antenna, 2x Cellular 4dBi Gain, IP67, Surface Mount, Black |
| AMGANT-C2-ODA4-1W | 360° Antenna, 2x Cellular 4dBi Gain, IP67, Surface Mount, White |


# Optional Accessories.

|                          |   |
|--------------------------|---|
| AMGMNT-ANT-01<br>CAB5-xx | Wall & Pole Mount Kit For 360° Omni-Directional AMGANT-C2-ODA4 Series Cellular Antennas<br>Cellular Antenna Extension Cable, SMA-Type Male to 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](http://www.amgsystems.com) for the latest product specifications.

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Manufacturer 

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