

## NXD-W

### LOW PROFILE WIFI ANTENNA

#### PRODUCT OVERVIEW

The Nexus Series is a low profile omni directional Antenna. It provides up to four separate WiFi antenna elements in a small, heavy-duty antenna radome.

Each antenna element covers 2.4 - 2.5 & 4.9 - 6.0 GHz providing true 4x MIMO for efficient data throughput. It is designed for WiFi-6 modems that require 4x MIMO but is also backward compatible to earlier generations.

The antenna measures only 3.52" (89.4 mm) in diameter and 0.625" (15.6 mm) in height. The extremely low-profile nature of the antenna makes it virtually vandal-proof.

The NXD-W antenna can provide reliable data transmissions for Smart City applications such as streetlights, meters, roadside units, parks, and outside cafés. It can also be used for remote monitoring in Precision Agriculture, Oil & Gas exploration or Mining. Its rugged construction makes it great for Industrial WiFi infrastructure where it serves as a low-profile access point operating in harsh conditions. It can also be ceiling-mounted to provide a WiFi Hotspot in an office or medical facility, or on a bus or train for Onboard Public Transit Passenger WiFi.

In addition, this rugged antenna is ground plane independent so it can be mounted on non-metallic enclosures.

Visit our [eStore](#) to customize a Low Profile Omni Antenna Online.

| Electrical Specifications |  |
|---------------------------|--|
| Frequency & Gain          | 2.4 - 2.5 GHz, 2 dBi Peak<br>4.9 - 6 GHz, 4 dBi Peak |
| VSWR                      | < 2.1  |
| Impedance                 | 50 Ohm Nominal                                       |
| Power Rating              | 10 Watts   |
| Polarization              | Vertical   |

| Mechanical Specifications |   |
|---------------------------|---|
| Radome Material & Color   | ASA UV-Stable Plastic, Available in Black                         |
| Radome Dimension          | 0.625" High x 3.53" Dia. (15.6 mm x 89.4 mm)                      |
| Standard Connectors       | SMA Plugs (Male)  |
| Cables 1 - 4              | LMR-100, 1 foot (300 mm)  |
| Operating Temperature     | -40° to +80° C  |
| Mounting                  | 5/8" - 18 x 0.50" Thick Threaded Stud<br>GROUND PLANE INDEPENDENT |
| Weight                    | 8 oz (0.5 lbs) (226 g)  |
| Water Ingress             | IP67 (When Properly Mounted)                                      |
| RoHS Compliant            | Yes   |



N X D - W - 7 C X 4 - B L K - 1 2

WiFi Cable/Conn └─┘

# Elements └─┘

Color └─┘

Cable Length ( in inches ) └─┘

#### HIGHLIGHTS:

- Up to 4x MIMO WiFi
- Extremely Low Profile and Compact
- Ground Plane Independent
- Rugged Construction
- Made-in-the-USA & UK

#### RELATED MODELS:

- SMD-W-HV (High Vibration, 3x MIMO)
- DM2-2400/5500 (Dome Shaped, 1x MIMO)
- LTM404 (Higher Gain, 4x MIMO)

#### COMMON APPLICATIONS:

- Medical IoT
- Industrial IoT
- WiFi Hotspot
- Remote Monitoring
- Smart Cities



US Headquarters +1.847.671.6690 • US/CA Toll Free +1.800.648.2800  
European Facility +44.1543.459555 • [www.MobileMark.com](http://www.MobileMark.com)

Moving Wireless Forward®