

NXD-W

LOW PROFILE WIFI 6E ANTENNA

PRODUCT OVERVIEW

The Nexus Series is a low profile omni directional Antenna. It provides up to four separate WiFi 6e antenna elements in a small, heavy-duty antenna radome.

Each antenna element covers 2.4 - 2.5 & 4.9 - 7.2 GHz providing true 4x MIMO for efficient data throughput. It is designed for WiFi-6e 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 4.9 - 7.2 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 GROUND PLANE INDEPENDENT
Weight	8 oz (0.5 lbs) (226 g)
Water Ingress	IP67 (When Properly Mounted)
RoHS Compliant	Yes



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WiFi Cable/Conn

Elements

Color

Cable Length (in inches)

HIGHLIGHTS:

- Up to 4x MIMO WiFi 6e
- 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



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