

NXD-W Low Profile 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" (8.94 cm) in diameter and 0.625" (1.56 cm) 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 - 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	.625" High x 3.53" (1.56 cm x 8.94 cm)
Standard Connectors	SMA Plugs (Male)
Cables 1 - 4	LMR-100, 1 -foot (30 cm)
Operating Temperature	-40° to +80° C
Mounting	5/8 - 18 x .50 Threaded Stud GROUNDPLANE INDEPENDENT
Weight	8 oz (.5 lbs) (226 g)
Water Ingress	IP 67



LOWPROFILEOMNIANTENNA

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Cable/Conn
 # Elements
 Color
 Cable Length (in inches)

HIGHLIGHTS:

- Up to 4x MIMO WiFi
- Ultra-Low Profile
- 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 MARKETS:

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

NXD-W-7CX4-BLK-12

Antenna Specifications

Electrical Properties:

Frequency: 2.4–2.5GHz/ 4.9–6GHz
 Gain: 2 / 4 dBi Peak
 Impedance: 50 Ohm nominal
 VSWR: Less than 2:1
 Input Power: 10 Watts
 Polarization: Vertical

Mechanical Properties:

Radome Material: Black ASA Plastic
 RF Connector Interface: SMA Plug
 Mounting: 5/8–18 x .50 Threaded Stud
 Ground plane independent
 Dimensions: .625" High x ϕ 3.52" (8.94cm)
 Net Weight: 8 oz (1/2 lbs) (226g)

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Low Profile Omni Antenna MIMO Up To 4x Dual-Band WiFi

