

## PR-NXD-W

PASSENGER RAIL ANTENNA FOR 4x WIFI

### PRODUCT OVERVIEW

The PR-NXD-W WiFi antenna meets rail industry standard NFPA-130 fire safety requirements. It is a low profile omnidirectional antenna providing 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 mm) in diameter and 0.625" (16 mm) in height. The extremely low-profile nature of the antenna makes it virtually vandal-proof.

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	PC Plastic, Available in Black
Radome Dimension	0.625" High x 3.52" Dia. (16 mm x 89 mm)
Standard Connectors	REV Pol SMA Plugs
Cables 1 - 4	LMR-100-FR, 1 foot (305 mm)
Operating Temperature	-40° to +80° C
Mounting	5/8 - 18 x .50 Threaded Stud GROUND PLANE INDEPENDENT
Weight	8 oz (.5 lbs) (226 g)
Water Ingress	IP67 (When Properly Mounted)
Flammability Rating	NFPA-130, EN45545



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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:

- PR-LTMG508  
(2x 5G Sub-6, 2x WiFi, 1x GNSS)
- PR-LLPG508  
(2x 5G Sub-6, 2x WiFi, 1x GNSS)

### COMMON APPLICATIONS:

- Passenger Rail
- Installations Requiring NFPA-130 Compliance
- Onboard Passenger Rail WiFi



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