

# ANT-WDB-ANM-0609 Series

Dual-band omni-directional antennas: 6 dBi at 2.4 GHz or 9 dBi at 5 GHz



## Features and Benefits

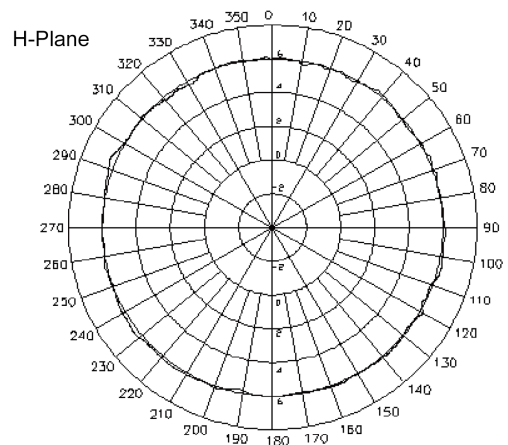
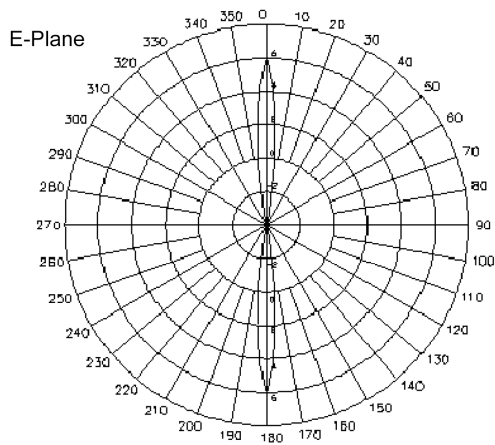
- High-gain antenna to enhance performance
- Waterproof N-type connector
- Lightweight
- Compact form factor
- Housing provides IP65 protection
- -40 to 80°C operating temperature range

## Introduction

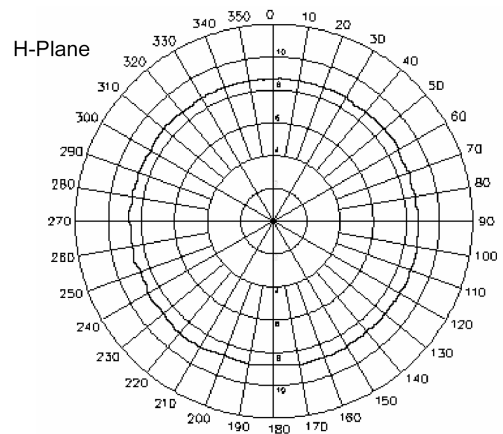
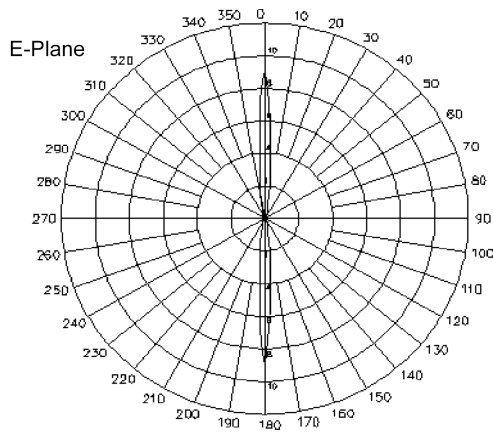
The ANT-WDB-ANM-0609 is an omni-directional lightweight compact dual-band high-gain antenna that comes with waterproof N-type connectors. The IP65-rated housing, pole-mounting support and a wide operating temperature range of -40 to 80°C make it suitable for outdoor use.

## Field Patterns

### E-Plane for 2.4 GHz



## E-Plane for 5 GHz



## Specifications

### Antenna Characteristics

Frequency	2.4 to 2.5, 5.1 to 5.9 GHz
Antenna Type	Omni-directional
Typical Antenna Gain	6/9 dBi
Connector	N-type (male)
Impedance	50 ohms
Polarization	Linear
HPBW/Horizontal	360°
HPBW/Vertical	8/10°
V.S.W.R.	1:1.5 max.
Power Handling	10 W (max.)

### Physical Characteristics

Weight	238 g (0.52 lb)
Length	632 mm (24.88 in)
Diameter	23 mm (0.91 in)
IP Rating	IP65
Radome Color	White
Radome Material	Fiberglass
Installation	Straight mount

### Environmental Limits

Operating Temperature	-40 to 80°C (-40 to 176°F)
Storage Temperature (package included)	-40 to 80°C (-40 to 176°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

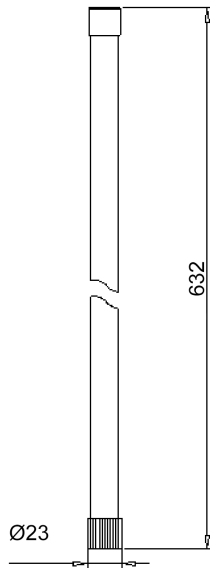
## Warranty

Warranty Period	1 year
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

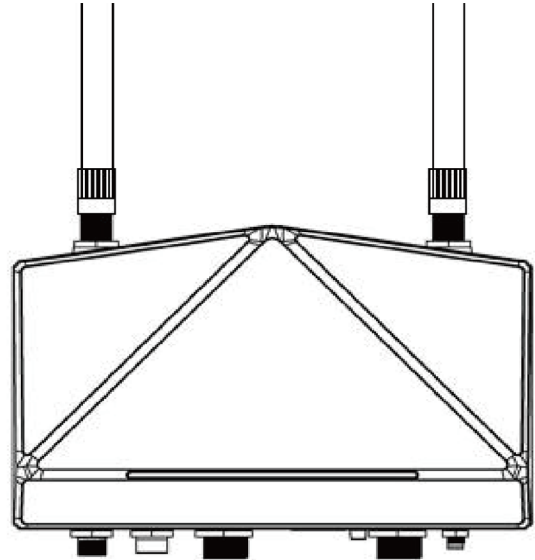
## Dimensions and Mounting

### Dimensions

Unit: mm



### Mounting



## Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector
ANT-WDB-ANM-0609	2.4 to 2.5, 5.1 to 5.9 GHz	Omni-directional	6/9 dBi	N-type (male)

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