

ANT-WDB6-ARM-05 Series

2 dBi at 2.4 GHz or 2 dBi at 5 GHz or 3 dBi at 6 GHz, tri-band dipole antennas with RP-SMA (female) connector



Features and Benefits

- Small size for easy installation
- Lightweight for portable deployment
- Tilt and swivel design
- Flexible installation
- RP-SMA-type (female) connector

Introduction

The ANT-WDB6-ARM-05 is an omni-directional lightweight compact tri-band indoor antenna. The antenna provides a gain of 2/2/3 dBi and is designed to operate in temperatures from -40 to 85°C.

Specifications

Antenna Characteristics	
Frequency	6.025 to 7.125 GHz 5.15 to 5.925 GHz 2.4 to 2.5 GHz
Antenna Type	Omni-directional
Typical Antenna Gain	2/2/3 dBi
Connector	RP-SMA (female)
Impedance	50 ohms
Polarization	Linear
V.S.W.R.	2:1 max.
Physical Characteristics	
Weight	19.1 g (0.04 lb)
Length	176 mm (6.93 in)
Radome Color	Black
Radome Material	Plastic
Installation	Straight mount

Environmental Limits

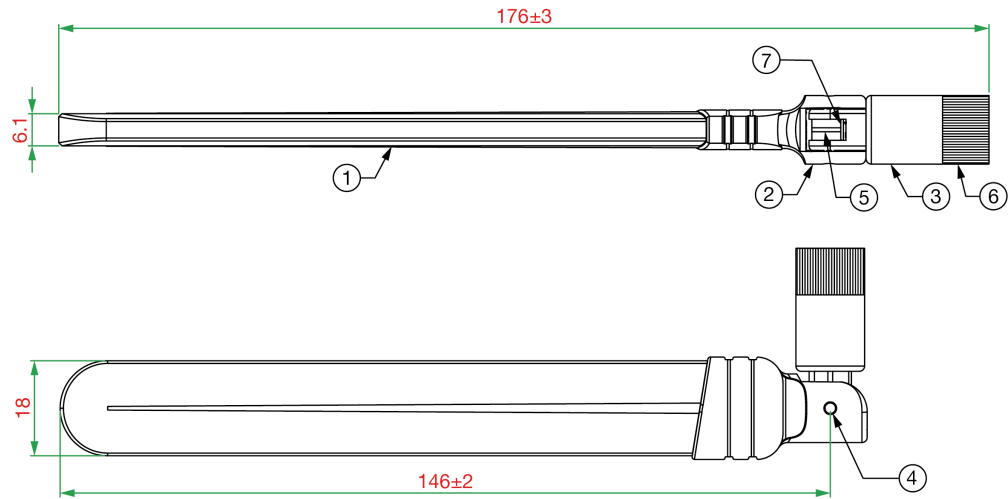
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

Warranty

Warranty Period	1 year
Details	See www.moxa.com/warranty

Dimensions

Unit: mm



NO	DESCRIPTION
1	Antenna Cap, ABS
2	Antenna Base, PC
3	Antenna Base, PC+PBT
4	Rivet, POM
5	Ø1.37 mm Coaxial Cable
6	Connector, SMA Plug Standard
7	Hold Rubber

Ordering Information

Model Name	Frequency	Antenna Type	Active Antenna Gain	Connector Type
ANT-WDB6-ARM-05	2.4 GHz to 2.5 GHz 5.15 GHz to 5.925 GHz 6.025 GHz to 7.125 GHz	Omni-directional	2/2/3 dBi	RP-SMA (female)

© Moxa Inc. All rights reserved. Updated Oct 15, 2025.

This document and any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Moxa Inc. Product specifications subject to change without notice. Visit our website for the most up-to-date product information.