

BB-ACH2-DBAT-DP003

2.4/5.8 GHz, 5 dBi, Wi-Fi RP-SMA Antenna



Introduction

Model BB-ACH2-DBAT-DP003 is a Wi-Fi RP-SMA, rubber-duck type, omni-directional antenna. It supports 2.4 GHz and 5 GHz Wi-Fi frequency bands, with 5 dBi gain.

Model BB-ACH2-DBAT-DP003 can be ordered as a replacement antenna for Advantech Airborne enterprise class bridges/routers and serial servers (models BB-APMN-Q551, BB-APXN-DP553, BB-WLNN series, etc.).

Features

- Wi-Fi 2.4 and 5 GHz frequency bands
- 5 dBi gain
- RP-SMA(M) type plug connector
- External, detachable, hinge/tilt
- Replacement antenna for Advantech Airborne products

Ordering Information

Model No.	Description
BB-ACH2-DBAT-DP003	Wi-Fi 2.4 /5.8 GHz, 5 dBi RP-SMA Antenna

Specifications

Electrical		
Frequency	2.4~2.5	4.9~5.8 GHz
VSWR	<2	<2.1
Peak Gain (straight)	3.3 dBi	4.9 dBi
Peak Gain (bend)	3.8 dBi	5.5 dBi
Average Gain (straight)	-0.9 dBi	-1.5 dBi
Average Gain (bend)	-0.7 dBi	-0.0 dBi
Efficiency (straight)	80%	71%
Efficiency (bend)	86%	83%
Polarization	Linear	
Impedance	50 Ohms	
Radiation Pattern	Omni	
Input Power	2W, maximum	
Mechanical		
Connector	RP-SMA male	
Antenna Type	whip, tilt	
Dimensions	194L x 12.8D mm	
Weight	24.6 g	
Body Material	TPU	
Environmental		
Temperature Range	-40 to +85 °C	
Humidity	95%, non-condensing, +65 °C	
Regulatory – Approvals / Standards / Directives		
CE, RoHS, IEEE 802.11a/b/g/h		

Mechanical Diagram

