

# IEEE 802.11 Antennas



Model Name	ANT-WD-A-RF-0305	ANT-WS-AB-RM-05-180	ANT-WS-AB-RM-05-200	ANT-WS-A-NF-09	ANT-WS-A-NF-09-150
Frequency Range	2.4/5 GHz	2.4 GHz	2.4 GHz	2.4~2.5 GHz	2.4~2.5 GHz
Radiation	Omni-directional	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Typical Antenna Gain	3/5 dBi	5 dBi	5 dBi	9 dBi	9 dBi
Impedance	50 Ohm	50 Ohm	50 Ohm	50±5 Ohm	50±5 Ohm
Polarization Linear	Vertical	Vertical	Vertical	Linear	Linear
Cable Type	-	RG-316	RG-174	-	RG-58/U
HPBW / Horizontal	360°	360°	360°	360°	360°
HPBW / Vertical	-	-	-	10°	10°
V.S.W.R	≤ 2	≤ 2	≤ 2	1:1.3 Max	1:1.3 Max
Power Handling	-	-	-	15W max	15W max
Antenna Connector	RP-SMA(Male)	RP-SMA(Male)	RP-SMA(Male)	N-type(Female)	N-type(Female)
Cable Connector	-	RP-SMA(Female) to RP-SMA(Male)	RP-SMA(Female) to RP-SMA(Male)	-	N-type(Male) to RP-SMA(Male)
Operating Temperature	-20~65°C	-20~65°C	-30~85°C	-20~60°C	-20~60°C
Antenna Profile	160mm length	236.4mm length with 180cm cable	196.6mm length with 200cm cable	420mm length	420mm length with 150cm cable
Weight	26g	166g	125g	430g	520g

## Ordering Information

<b>ANT-WD-A-RF-0305</b>	IEEE 802.11 a/b/g 2.4/5 GHz, Dual Band, omni-directional antenna, 3/5dBi, RP-SMA(F)
<b>ANT-WS-AB-RM-05-180</b>	IEEE 802.11 b/g 2.4 GHz, Single Band, omni-directional antenna, 5dBi, RP-SMA(M), with 180cm Cable, with Base
<b>ANT-WS-AB-RM-05-200</b>	IEEE 802.11 b/g 2.4 GHz, Single Band, omni-directional antenna, 5dBi, RP-SMA(M), with 200cm Cable, with Base
<b>ANT-WS-A-NF-09</b>	IEEE 802.11 b/g 2.4~2.5 GHz, Single Band, omni-directional antenna, 9dBi, N-type(F)
<b>ANT-WS-A-NF-09-150</b>	IEEE 802.11 b/g 2.4~2.5 GHz, Single Band, omni-directional antenna, 9dBi, N-type(F), with 150 cm cable

## Connector Types



N Type  
(Male)



N Type  
(Female)



RP-SMA Type  
(Male)



RP-SMA Type  
(Female)



SMA Type  
(Male)



SMA Type  
(Female)



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