

AIW-513

Wi-Fi Tri-band 2.4/5/6 GHz Dipole Antenna, Waterproof (IP67), Compatible for Wi-Fi 5/6/6E/7



Features

- 2.4/5/6 GHz operation
- Dipole antenna with omni-directional radiation pattern
- Compatible for WiFi5/6/6E/7
- 90°/135°/180° Hinged RP-SMA male connector
- Operating Temperature: -40 ~ 85 °C
- IP67-rated

Specifications

Electrical Characteristics	Frequency	2400 – 2500 MHz, 5150 – 5850 MHz, 5925 – 7125 MHz
	V.S.W. R	≤ 2.5 @ 2400 – 2500 MHz ≤ 3.0 @ 5150 – 5850 MHz ≤ 3.0 @ 5925 – 7125 MHz
	Antenna Gain	≤ 2.5 @ 2400 – 2500 MHz ≤ 3.0 @ 5150 – 5850 MHz ≤ 3.0 @ 5925 – 7125 MHz
	Peak Gain	1.48 dBi @ 2400 – 2500 MHz 3.58 dBi @ 5150 – 5850 MHz 4.04 dBi @ 5925 – 7125 MHz
	Efficiency	64-68% @ 2400 – 2500 MHz 65-69% @ 5150 – 5850 MHz 55-74% @ 5925 – 7125 MHz
	Polarization	Linear
	Radiation Pattern	Omni-direction
	Impedance	50 ohm
	Application	Wi-Fi 6 & 6E & 7, BT, Zigbee
	Antenna Type	Dipole
Material & Mechanical Characteristics	Planner Dimensions (straight)	183 x 21.6 mm ²
	Connector Diameter	13.5 mm
	Material of Plastic	ABS
	Antenna housing color	Black
	Cable Type	RG-178 B/U
Connector Type	RP-SMA Male	
Environmental	Operation Temperature	-40 ~ 85 °C
	Storage Temperature(°C)	-40 ~ 85 °C
	Ingress Protection	IP67
	Power Handling	2 W
Humidity	95% @ 25 °C	

Ordering Information

Part No.	Specifications
1751000717-01	Wi-Fi Tri-band 2.4/5/6 GHz Dipole Antenna, IP67, SMA/M-R, BLK, L183mm

Suggested Cable

Part No.	Specification
1751000648-01	WiFi Coaxial Cable, 10cm, RP-SMA female to IPEX4
1751000622-01	WiFi Coaxial Cable, 15cm, RP-SMA female to IPEX4
1751000635-01	WiFi Coaxial Cable, 20cm, RP-SMA female to IPEX4
1751000621-01	WiFi Coaxial Cable, 25cm, RP-SMA female to IPEX4
1751000620-01	WiFi Coaxial Cable, 30cm, RP-SMA female to IPEX4
1751000647-01	WiFi Coaxial Cable, 10cm, RP-SMA female to IPEX1
1751000627-01	WiFi Coaxial Cable, 15cm, RP-SMA female to IPEX1
1751000634-01	WiFi Coaxial Cable, 20cm, RP-SMA female to IPEX1
1751000626-01	WiFi Coaxial Cable, 25cm, RP-SMA female to IPEX1
1751000588-01	WiFi Coaxial Cable, 30cm, RP-SMA female to IPEX1