# AIW-511

#### Wi-Fi Tri-band 2.4/5/6 GHz Dipole Antenna, Compatible for Wi-Fi 5/6/6E/7



#### **Features**

- Dipole antenna with omni-directional radiation pattern
- Support 6GHz band
- Compatible for WiFi5/6/6E/7
- 90°/135°/180° Hinged RP-SMA-Male connector
- Operating Temperature: 0 ~ 70°C

### **Specifications**

Electrical Characteristics	Frequency	2400 – 2500 MHz, 5150 – 5850 MHz, 5925 – 7125 MHz
	V.S.W. R	≦2.0 @ 2400 – 2500 MHz ≦2.0 @ 5150 – 5850 MHz
		≦2.0 @ 5925 – 7125 MHz
	Peak Gain	2.28 dBi @ 2400 – 2500 MHz 2.64 dBi @ 5150 – 5850 MHz 3.28 dBi @ 5925 – 7125 MHz
	Efficiency	~70 % @ 2400 – 2500 MHz 69~75 % @ 5150 – 5850 MHz 65~77 % @ 5925 – 7125 MHz
	Polarization	Linear
	Radiation Pattern	Omni-direction
	Impedance	50 ohm
	Application	Wi-Fi 5 & 6 & 6E &7, BT, Zigbee
	Antenna Type	Dipole
Material & Mechanical Characteristics	Antenna Length	196 mm
	Antenna Diameter	13 mm
	Material of Radiator	TPEE
	Material of Plastic	PC / PC + PBT / TPEE
	Antenna housing color	Black
	Cable Type	RG-178
	Connector Type	RP-SMA male
Environmental	Operation Temperature	0 ~ 70 °C
	Storage Temperature (°C)	0 ~ 70 °C
	Ingress Protection	N/A
	Power Handling	2 W

## **Ordering Information**

Part No.	Specifications
1751000342-01	Wi-Fi Tri-band 2.4/5/6 GHz Dipole Antenna, SMA/M-R, BLK, L196mm

### **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

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