

AIW-512-I

Wi-Fi Tri-band 2.4/5/6 GHz Dipole Antenna, -40~85 °C operation, Compatible for Wi-Fi 5/6/6E/7



Features

- 2.4/5/6 GHz operation
- Dipole antenna with omni-directional radiation pattern
- Compatible for Wi-Fi 5/6/6E/7
- 90°/135°/180° Hinged RP-SMA-Male connector
- Operating Temperature: -40 ~ 85 °C
- IP54-rated

Specifications

Frequency	2400 – 2500 MHz, 5150 – 5850 MHz, 5925 – 7125 MHz
V.S.W.R	≤ 2.0 @ 2400 – 2500 MHz ≤ 2.0 @ 5150 – 5850 MHz ≤ 3.0 @ 5925 – 7125 MHz
Peak Gain	2.87 dBi @ 2400 – 2500 MHz 3.11 dBi @ 5150 – 5850 MHz 3.22 dBi @ 5925 – 7125 MHz
Efficiency	74~78 % @ 2400 – 2500 MHz 71~77 % @ 5150 – 5850 MHz 67~78 % @ 5925 – 7125 MHz
Polarization	Linear
Radiation Pattern	Omni-direction
Impedance	50 ohm
Antenna type	Dipole
Antenna Length/Diameter	111.7 x Φ 10 mm / Φ 10 mm
Connector Type	RP-SMA male
Operation Temperature	-40 ~ 85 °C
Ingress Protection	IP54
Power Handling	2W

Ordering Information

Part No.	Specifications
1751000651-01	Wi-Fi Tri-band 2.4/5/6 GHz Dipole Antenna, -40~85 °C operation, SMA/M-R, BLK, L111mm

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