

AIW-514

2-in-1 Wi-Fi Tri-band MIMO antenna, covering 2.4/5/6GHz bands, support Wi-Fi 6E/7



Features

- 2.4/5/6 GHz operation
- 2-in-1 Wi-Fi MIMO antenna
- Dipole antenna with omni-directional radiation pattern
- Support latest Wi-Fi 6E/7
- RP-SMA male connector
- IP67-rated
- Screw mounting

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 ≤ 2.0 @ 5925 – 7125 MHz
Peak Gain	ANT0: 1.59 dBi @ 2400 – 2500 MHz 2.19 dBi @ 5150 – 5850 MHz 1.66 dBi @ 5925 – 7125 MHz ANT1: 1.58 dBi @ 2400 – 2500 MHz 2.56 dBi @ 5150 – 5850 MHz 2.99 dBi @ 5925 – 7125 MHz
Efficiency	ANT0: 42.6 – 52.1 % @ 2400 – 2500 MHz 33.3 – 40.9 % @ 5150 – 5850 MHz 26.2 – 37.3 % @ 5925 – 7125 MHz ANT1: 41.4 – 51.6 % @ 2400 – 2500 MHz 31.8 – 39.9 % @ 5150 – 5850 MHz 26.2 – 34.9 % @ 5925 – 7125 MHz
Polarization	Linear
Radiation Pattern	Omni-direction
Impedance	50 ohm
Antenna type	Dipole
Antenna Length/Diameter	Φ 45x78.3mm
Connector Type	RP-SMA male
Operation Temperature	-40 ~ 85 °C
Ingress Protection	IP67
Power Handling	2W
Cable Length	2M
Setup Type	Screw mounting

Suggested Cable

Part No.	Specifications
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