

WADB-MHF4-FPCB-100-M01 Flex Antenna

Wi-Fi 2.4/5GHz, Bluetooth/BLE and Zigbee Antenna

Description

WADB-MHF4-FPCB-100-M01 Flex Antenna is designed for dual-band Wi-Fi (802.11 ac/a/b/g/n), Bluetooth, BLE and Zigbee applications. This multi-Protocol Combo Flexible PCB antenna is linearly polarized and Omni-directional. The length of RF cable is 100 mm. One side of the cable is connected to Flex PCB antenna and the other side is terminated with a MHF4 IPEX RF connector

Features

- ✚ Supports IEEE 802.11 ac/a/b/g/n Wi-Fi
- ✚ Supports Bluetooth and Bluetooth Low Energy
- ✚ Supports Zigbee
- ✚ Industrial Adhesive to stick the antenna on the casing
- ✚ Electrical Connectivity through RF cable
- ✚ Termination type : MHF4 IPEX RF Connector
- ✚ Dimensions of PCB : 35 mm x 13.3 mm
- ✚ Thickness of PCB : 0.2mm
- ✚ 100mm RF cable Length
- ✚ Diameter of the cable 1.13mm



Applications:

BT/BLE
Wi-Fi
Zigbee

Specification:

2.4 GHz Frequency Start	: 2400 MHz
2.4 GHz Frequency End	: 2500 MHz
5 GHz Frequency Start	: 4900 MHz
5 GHz Frequency End	: 5875 MHz
Polarization	: Linearly Polarized
Directionality	: Omni Directional
Efficiency 2.4 GHz Band	: 83%
Efficiency 5 GHz Band	: 85%
2.4 GHz Band Gain	: 1.6 dBi Peak
5GHz Band Gain	: 4.6 dBi Peak
Return Loss - S11 (dB)	: <-10
Impedance	: 50 Ω
Temperature range	: (-40°C to +85°C)
Complaint to	: ROHS, REACH

Part Ordering

WADB-MHF4-FPCB-100-M01: Dual-Band 2.4/5 GHz Flex Antenna with 100mm RF Cable and MHF4 IPEX termination.

Additional Information:

For the latest collaterals, please visit Wi2Wi Extranet portal at:
<http://www.wi2wi.com/mgr/>

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