

2.4/5.8GHz Dual Band Embedded FPC Antenna

Part No:AC-Q2458N32

1. Introduction

Embedded 2.4G/5G Systems, For World-wide Use, Vertical Polarization.

Flexible Printed Circuit Board Antennas, or FPC Antennas are flexible, low profile, highly reliable and economical antennas that are widely used in the wireless industry.

It can be used to develop various types of antennas including monopoles, dipoles and printed F antennas.

The antennas usually have a coaxial cable through which they can be connected to the required circuit.

Flexible PCB antennas usually are very thin and have a peelable back strip which when peeled of can stuck onto a surface with a pre-applied adhesive like a sticker.

It can be bent so that they can be embedded inside a small device like an IoT module where circuit board space is at a premium and a surface mount antenna can not be placed.

The cable length of FPC antennas can be customized making them easy to connect to a module.



2. Specification

Electrical

Frequency Range	2400-2500/5150-5800MHz
Gain	3dBi
V.S.W.R	≤2.0
Maximum Input Power	50W
Impedance	50Ω
Connector	IPEX
Cable Type	RF 1.13
Cable Length	100mm
Antenna Radome Material	FPC

Mechanical

Dimensions	32x10x0.2mm
Weight	0.1g
Operating Temperature	-40°C to+70°C
RoHS Compliant	YES