

## 2.4GHz Embedded PCB Antenna With IPEX

### Model:AC-Q24N16

#### 1. Introduction

This antenna is an embedded antenna with high efficiency and quick integration for 2.4GHz frequency band, including Bluetooth and Wi-Fi. It has a peak gain of 2.0dBi at 2.4GHz, designed in a PCB with IPEX connector and RF-1.13 cable, which both can be customized.

Dipole antennas offer the advantage of receiving balanced signals.

Embedded Wireless Systems,For World-wide Use,Vertical Polarization.Electrical connection with the FPC is accomplished by soldering the silver pin through the hole on the PCB.

Compact, ideally suited for stealth applications.Built-in ground plane to allow mounting anywhere.

Cable lengths and connectors are fully customizable.

For good efficiency performance the shortest cable length should however not be less than 100mm.



## 2. Specification

### Electrical

Frequency Range	2400-2483MHz
Band width	83MHz
Gain	2.5dBi
V.S.W.R	≤2.0
Maximum Input Power	50W
Impedance	50Ω
Connector	IPEX
Cable Type	1.13
Cable Length	10cm
Antenna Radome Material	FR4

### Mechanical

Dimensions	40x8x0.4mm
Weight	6g
Operating Temperature	-40°C to+70°C
RoHS Compliant	YES