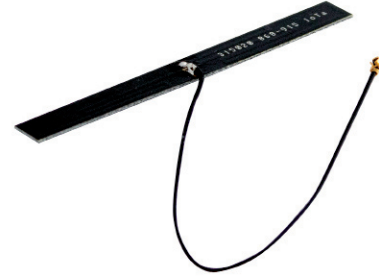


## IoTa Internal PCB Antenna

The IoTa internal PCB antenna covers the 868 and 915 MHz frequency bands and is ground-plane independent. It can be easily integrated into wireless devices where the IoTa antenna can be mounted onto the inside of a plastic enclosure. Ideal for a variety of applications using 868 MHz and 915 MHz low power radio applications on unlicensed bands, the IoTa is a compact, discreet and cost-effective internal antenna solution.



### Applications

- ▶ LoRa & LPWAN Applications
- ▶ Datalogging/Telemetry
- ▶ Security Systems
- ▶ ISM Products
- ▶ Portable Devices

### Key Features

- ▶ Small Size
- ▶ Covers 868 and 915 MHz Band
- ▶ Groundplane Independent
- ▶ Various Cable/Connector Options
- ▶ Mount onto non-Metal Surface

## ELECTRICAL SPECIFICATIONS

Frequency Range	Peak Gain	VSWR	Input Power	Impedance	Polarization
860-930 MHz including 868 MHz and 915 MHz	1.73 dBi	<1.8:1	1w	50 Ohm	Linear

## MECHANICAL SPECIFICATIONS

Dimensions	Cable Type	Connector	PCB Material	IP-Rating	Mounting
80 x 10mm (lxw)	RG178, RG174, RG316 or Microcoax	IPEX (U.FL) (RP-SMA, MMCX and SMA optional)	FR4	None	Adhesive Mount

## POPULAR ORDERING OPTIONS

FIOTA35378-IPX-10	IoTa Antenna with 100mm microcoax and IPEX (U.FL) connector
FIOTA35378-IPX-15	IoTa Antenna with 150mm microcoax and IPEX (U.FL) connector
FIOTA35378-IPX-20	IoTa Antenna with 200mm microcoax and IPEX (U.FL) connector