

This 433 MHz active RFID personnel hazard tag is ATEX Zone 0, ICEPEX and intrinsically safe certified and is generally used for security & safety applications.

This 433 MHz active RFID personnel hazard tag is ATEX Zone 0, ICEPEX and intrinsically safe certified and is generally used for security & safety applications. It incorporates a convenient clip slot and may also be used in other applications such as asset monitoring in mining or oil & gas applications. It continuously transmits a unique ID number and at various preset transmission intervals. Different status transmission intervals allow tags to be used in diverse applications while offering the best battery life spans in the market. Its anti-tamper alert option and motion sensor option provide instant notification of unauthorized attempts to remove a tag from an asset or if the asset is being moved. This tag uses a collision avoidance algorithm which reduces loss of data caused by simultaneous transmissions from multiple tags and its power-saving design ensures a longer battery life even if operating at higher rates of transmission.

Note: this is not an HID product



Key Features

- ✓ ATEX Zone 0, ICEPEX and intrinsically safe certified
- ✓ Beacon tag transmitting a unique ID & data ID & data at pre-set intervals
- ✓ Anti-tamper alert option and motion sensor option
- ✓ Supports multiple passive RFID technologies including HID*compatibility and UHF GEN2
- ✓ Can be configured to hold standard 26-bit Wiegand numbering
- ✓ Collision avoidance algorithm
- ✓ Ultra low power consumption
- ✓ Provides a long lifespan of 3 years when transmitting at the standard or greater interval
- ✓ Site/Vendor ID configurable
- ✓ Movement alert and temper alarm

Applications

- ✓ Mining
- ✓ Oil & gas industry
- ✓ Personnel management
- ✓ Use on metal
- ✓ Indoor use
- ✓ Outdoor use

Technical Specifications

Environmental

Operating Temperature	-30°C to 60°C
Storage Temperature	-40°C to 70°C
Humidity	5% to 90% (non-condensing)

Physical

Size	86 x 54 x 5 mm
Weight	24 g
Material	ABS (ultrasonically sealed) IP65

Radio Frequency

Transmit Frequency	433.92 MHz
Power Output (avg.)	77 dBµV/m @ 3m
Range	1 to 100+ meters (actual range is determined by the choice of reader & antenna used to detect the tag and the environment it is used in)

Electrical

Power	Internally powered by lithium battery
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Optional Accessories (All sold in packs of 10)

- Tag attachment kit
- Tamper alerting tag attachment kit

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