



R120 Door Tag



The R120 Door Tag monitors and reports the door status of the racks in your data centers, enabling you to track enclosure access attempts using your active RFID asset inventorying infrastructure.

Features & Benefits

- ◆ **Encoded Radio Transmissions at 433 MHz**
- ◆ **Designed for Use on Rack Cabinet Doors**
- ◆ **Enables Rack Enclosure Access Monitoring**
- ◆ **Industrial-Strength Adhesive Backing Allows for Easy Installation**
- ◆ **Low Power Consumption for Long Battery Life**
- ◆ **Superior Anti-Collision Technology for High Tag Densities**

The 433 MHz R120 door tag is a battery-powered RF transmitter that attaches to standard IT rack cabinet doors, or any door/frame that needs to be continuously monitored. Once installed on the door frame the R120 will monitor and report the door status, enabling you to track enclosure access attempts using your active RFID asset inventorying infrastructure.

The 433 MHz R120 tag is a battery-powered RF transmitter that attaches to the door of a standard rack cabinet or other door frame. Every tag broadcasts its unique ID and the door status message once every 10 seconds. Door status messages are received by RF Code readers.

RF Code solutions eliminate expensive, inaccurate, time-consuming manual processes while increasing visibility of your data center's rack-based assets. With RF Code, you have "instant inventory"—automated, real-time, on-demand physical asset inventory and management for your data centers.

These affordable tags consist of an active RFID tag and a corresponding magnet assembly. Each piece features an industrial-strength adhesive backing for quick and easy installation. The R120's form factor ensures clear signal transmission in high-density rack and data center deployments. Plus, RF Code's patented communication protocols allow for very high tag densities.

R120 tag cases are impact resistant, splash resistant and temperature stable. The R120 tag operates with a very low duty cycle that translates to long battery life (typically 5-7 years with a 10-second beacon rate).



RF Code R120 Door Tag Specifications

OPERATION

Operating Frequency	433.92 MHz
Group Code & Tag ID Codes	> 540,000 unique IDs per Group Code
Typical Transmission Range	> 30 ft in the data center
Radiated Emissions	71.8 dBuV/m at 3 meters (maximum)
Modulation	ASK
Stability	Saw stabilized

ENCLOSURE

Case Length	1.72 in (46.6 mm)
Case Width	2.22 in (56.4 mm)
Case Height	0.30 in (7.62 mm)
Case Weight (with tag)	0.40 oz (11.3 g)
Construction	Polycarbonate
Durability	Tough, impact resistant and temperature stable

ENVIRONMENTAL

Operating Temperature	-20° C to +70° C
Storage Temperature	-40° C to +80° C
Operating Humidity	< 95% RH non-condensing; not recommended for outdoor applications
Sealing	Splash resistant

POWER

Battery Type	Lithium CR2032 replaceable coin cell
Smart Tag Features	Low battery indication
Battery Life	5-7 years (typical)