

R110 Flex-Mount Asset Tag

RF Code™
Product Data Sheet

Designed for mounting using either its adhesive backing or a zip tie, the R110 complements the R100 IT Asset Tag when used in mixed rack equipment deployments on blade servers, tower equipment, and other IT assets.

Features & Benefits

- ◆ **Encoded Radio Transmissions at 433 MHz**
- ◆ **Specially Designed for Use with Rack Installed Assets**
- ◆ **Designed for Use with a Single Asset**
- ◆ **Industrial-Strength Adhesive Backing and Zip-Tie Lanyard Loop Allow for Easy Installation**
- ◆ **Superior Anti-Collision Technology for High Tag Densities**
- ◆ **Easy Installation**
- ◆ **On-Demand Inventory of Rack-Mounted Assets**
- ◆ **Low Power Consumption for Long Battery Life**

Designed for flexible mounting scenarios, the 433 MHz R110 tag is a battery-powered RF transmitter that attaches to assets such as blade servers and tower equipment that need to be tracked, located and identified. The R110's form factor works as a complement to R100 rack tag and is perfect for use in mixed-equipment deployments. Every tag broadcasts its unique ID and a status message once every 10 seconds. Asset data is then received by RF Code readers.

These affordable, single-use tags feature both an industrial-strength adhesive backing and a zip-tie lanyard loop, providing for quick and easy installation in a variety of scenarios. The R110'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.

R110 tag cases are impact resistant, splash resistant and temperature stable. The R100 tag operates with a very low duty cycle that translates to long battery life (typically 5-7 years at a 10-second beacon rate).

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.



RF Code R110 Flex-Mount Asset 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
Radiated Emissions	71.8 dBuV/m at 3 meters (maximum)
Modulation	ASK
Stability	Saw stabilized

ENCLOSURE

Width	2.22 in (56.4 mm)
Depth	1.74 in (44.2 mm)
Height	0.35 in (8.9 mm)
Case Weight (with tag)	1.20 oz (34.16 g)
Construction	Lexan polycarbonate
Durability	Tough, impact resistant and temperature stable
Mounting Options	3M 200 MP adhesive, zip-tie loop lanyard

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 coin replaceable cell
Smart Tag Feature	Low battery indication
Battery Life	5-7 years (typical)

