

Zebra AN610 Ultra-Low-Profile RFID Antenna

Slim with integrated mounting holes for a space-saving, simple solution

Whether your application calls for a “picture-frame” aesthetic or a space-saving antenna deployment, look to the ultra-low-profile member of the Zebra family—the AN610. The AN610 features a simple, integrated mounting system with holes built right into the antenna that let it stand just under one-half inch (12 mm) from horizontal or vertical mounting surfaces. Space-saving and stylish, the outer housing is designed to be sleek and discreet enough to be at home in any business setting but rugged enough for indoor industrial environments. A perfect complement to the Zebra fixed RFID readers, the AN610 is ideal for use in wall mount, doorways, under counter, above counter as an RFID pad, on shelves, at the point of sale, or end-cap displays, or locations that have limited space like jewelry counters.



AN610 Specifications

PHYSICAL CHARACTERISTICS	
Polarization	Left-hand circular
Dimensions	275 mm x 214 mm x 12 mm/ 10.8 in. x 8.5 in. x 0.47 in.
Connector	N-Type Female
Connector Location	Pigtail-Side
Mounting Options	Flush mount
Weight	0.6 kg/1.3 lbs
Casing/Materials	Aluminum with Kydex Casing
Frequency Ranges	EU: 865–868 MHz US: 902–928 MHz
VSWR (Return Loss)	1.4:1

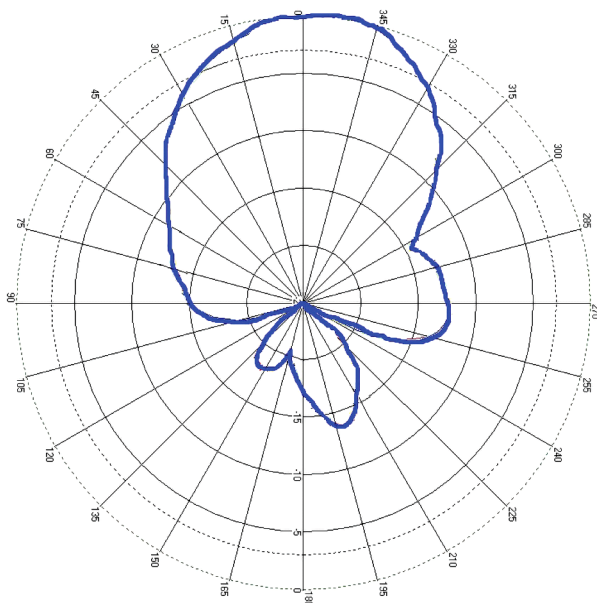
Gain	5.0 dBic
Front to Back Ratio	18 dB
3 dB Beam Width	80° in both planes
Maximum Power	6 Watts
Axial Ratio	less than 2 dB
Operating Temperature	-20° to +55°C/-4° to +131°F
Storage Temperature	-30° to +65°C/-22° to +149°F
IP Sealing	IP54
Vibration	IEC-68-2-6 (10 to 150 Hz, 0.5 g, one hour in each of two axes) (Random Vibration)
Humidity	IEC-68-2-30 (-13°F to 104°F, -25°C to 40°C) 24 hour cycles of 90% relative humidity

Vertical Markets

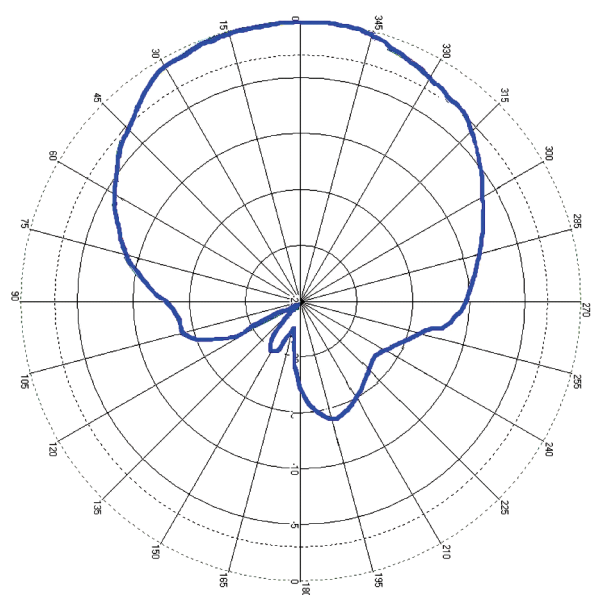
- Retail
- Enterprise/Office
- Data center
- Hospitality
- Healthcare

Applications

- Point of sale
- Receiving dock doors
- Under-the-counter/within shelving
- In server racks
- Inside medical cabinets



Horizontal (ETSI and FCC)



Vertical (ETSI and FCC)