

Zebra AN440

Dual-Element RFID Antenna

Large area coverage for high-capacity, high-throughput environments

The AN440 RFID antenna gives you a wide read field and high-speed RF signal conversion, so data capture is fast and accurate, even in expansive, high-demand environments. The AN440 is easy to mount on ceilings and walls, and its rugged housing is at home in both customer-facing and industrial settings. You can achieve superior read zones around stockroom shelves, warehouse doorways and dock doors—anywhere boxes and pallets are moving in and out of your facility. Your workflow keeps flowing, your inventory count stays accurate and your productivity can reach new heights.



AN440 Specifications

PHYSICAL CHARACTERISTICS	
Polarization	1 x left-hand circular/1 x right-hand circular
Dimensions	575.1 mm x 259.1 mm x 33.52 mm/ 22.6 in. x 10.2 in. x 1.32 in.
Connector	Dual N-Type Female
Connector Location	Rear
Mounting Options	Mounting studs provided
Weight	3.2 kg/7.0 lbs
Casing/Materials	UV Stable ASA
Frequency Ranges	EU: 865–868 MHz US: 902–928 MHz*
VSWR (Return Loss)	1.22:1
Gain	US/Canada: 6.0 dBiL

Front to Back Ratio	20 dB
3 dB Beam Width	70° in both planes
Maximum Power	10 Watts
Axial Ratio	1 dB typical
Operating Temperature	-30° to +70°C/-22° to +158°F
Storage Temperature	-40° to +85°C/-40° to +185°F
IP Sealing	IP67
Vibration	MIL-STD-810G, Method 507.5, Procedure II—Aggravated, IEC-68-2-6 (10 to 150 Hz, 0.5g, one hour in each of two axes—random vibration)
Humidity	IEC-68-2-30 (-25° to +40°C/-13° to +104°F) 24 hour cycles of 90% relative humidity

* Optimized for US

Vertical Markets

- Retail
- Enterprise/Office
- Hospitality
- Healthcare
- Transportation and Logistics
- Manufacturing

Applications

- Point of sale
- Conveyor belts
- Control points
- Hallways
- Dock doors

