



Zebra UHF RFID Antennas

Versatile, high-performance antennas
for a wide variety of applications



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Zebra's family of Radio Frequency Identification (RFID) Antennas offers the versatility and performance required to meet diverse environmental and application needs—including customer-facing areas, warehouses and outdoor environments. When used in conjunction with Zebra's Fixed RFID Readers, communication with UHF RFID tags is accurate, fast and efficient. As vital components in reader-tag communications, our portfolio of high-performance antennas can meet the needs of any RFID solution.

Whether your application requires an antenna that blends into the environment, is IP67 sealed for rugged and extreme weather environments, or slim to fit into small spaces, we have the right antenna to complete your solution.

One pain point when choosing an antenna for your RFID solution is knowing which antenna can be used with a fixed RFID reader in order to get maximum performance while not to exceeding your local regulations. Zebra's UHF RFID antennas have been specifically tested with our fixed reader portfolio to ensure that the highest performance is possible while still maintaining compliance with regulatory standards.

Service Completes the Solution

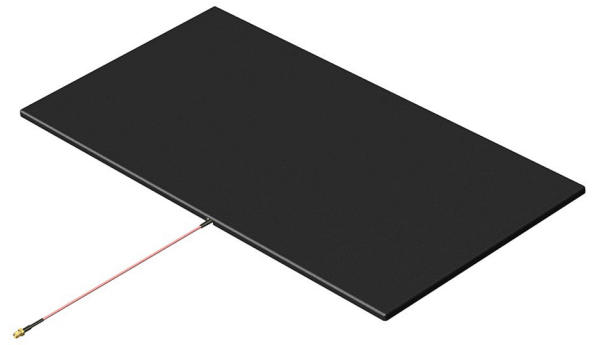
To help you seamlessly and successfully integrate your RFID antennas into your environment, Zebra offers a complete suite of services that span the entire solution lifecycle—from initial planning and assessment through ongoing training and support.



Zebra AN660 Low-Profile, High-Gain RFID Antenna

Super-sleek form factor with high-gain performance for greater accuracy

The AN660 low-profile, high-gain RFID antenna is designed with a directed spatial range for specific, predictable readings. With exceptionally strong signal strength, the AN660 penetrates deeply into packaging for more accurate readings. Perfect for control points, the powerful beam delivers greater precision when reading tightly packed boxes and pallets.



AN660 Specifications

Physical Characteristics	
Polarization	Right-hand circular
Dimensions	604 x 304 x 8.6mm 23.78 in. x 11.97 in. x 0.34 in.
Connector	SMA Female Fly Lead
Connector Location	Side
Mounting Options	Integrated flush mounting holes or VESA mount
Weight	1.48 kg/3.3 lbs
Casing/Materials	Flame Retardant ABS
Frequency Ranges	EU: 865-868 MHz US: 902-928 MHz
Gain	10.5 dBiC

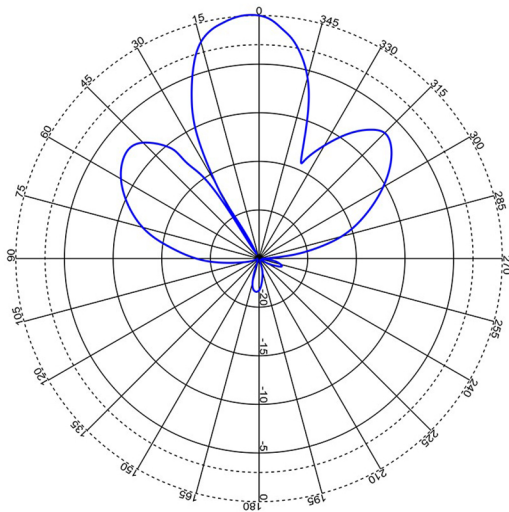
VSWR (Return Loss)	1.4 typical
Front to Back Ratio	-25 dB
3 dB Beam Width	25° in xz-plane, 60° in yz-plane
Maximum Power	3 Watts
Axial Ratio	2dB
Operating Temperature	20° to +55°C/-4° to +131°F
Storage Temperature	-30° to +60°C/-22° to +140°F
IP Sealing	IP54
Nominal Impedence	50 Ω
Antenna Detection	10K Ω resistance

Vertical Markets

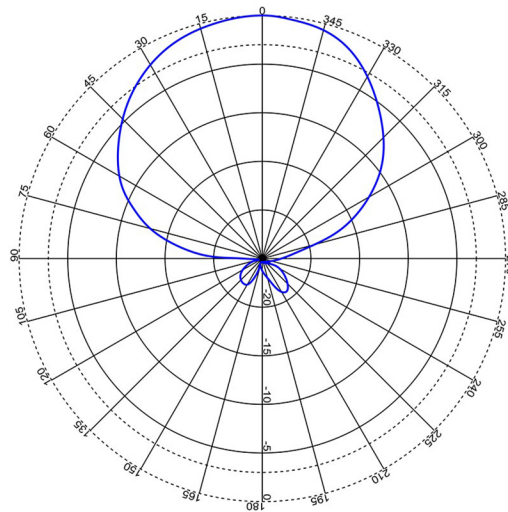
- Retail
- Transportation and Logistics
- Offices
- Hospitality
- Healthcare
- Data Center

Applications

- Under the counter within shelving
- In server racks
- Luggage tracking
- Receiving dock doors
- Conference attendee tracking



XZ-Plane



YZ-Plane



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