

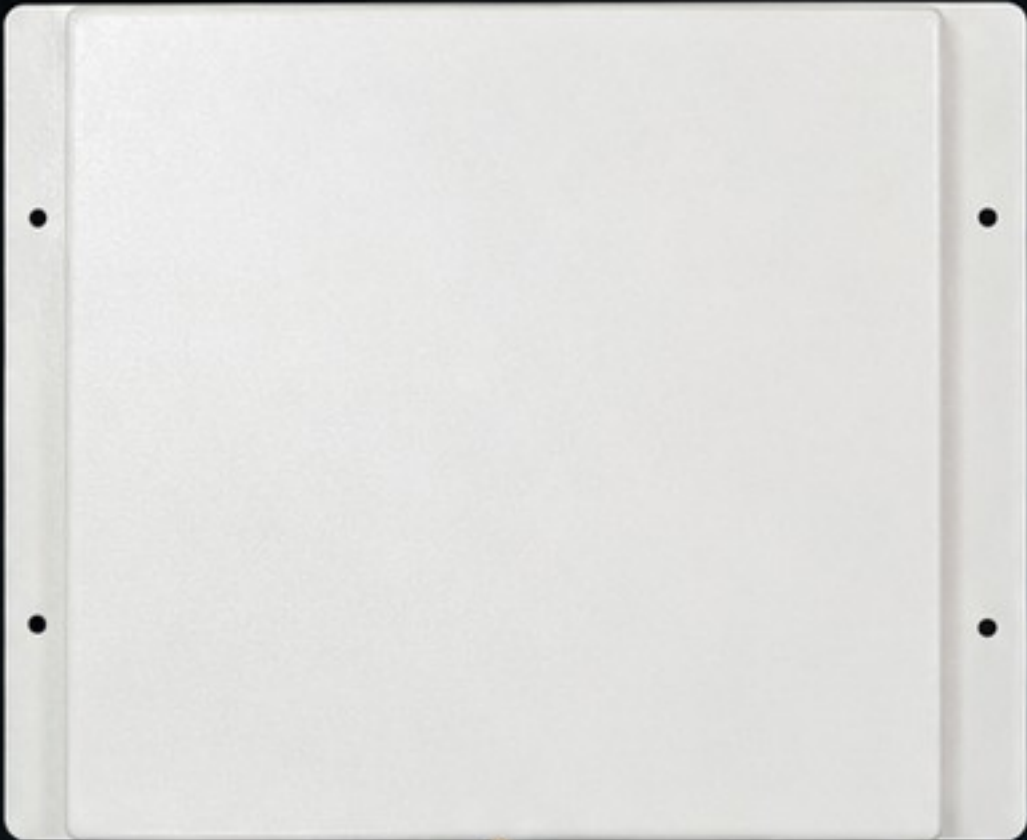


UHF RFID Antenna Series

RFA-150 / RFA-300



RFA-150
195 x 165 x 25 mm



RFA-300
360 x 290 x 25 mm



Compact directional UHF RFID antennas designed for reliable item-level reading in retail, production, and warehouse environments. Available in near-field and far-field variants, the RFA-150 and RFA-300 series provide flexible deployment options for checkout kiosks, checker desks, smart cabinets, and workstations.



Near-Field & Far-Field Options



Directional LHCP Design



ABS Housing, SMA-F Connector, Screw Mount



RECOMMENDED DEPLOYMENT

- RFA-150-N: Best for small retail checkout kiosks such as Uniqlo-style counters
- RFA-300-N: Best for larger checker desks in production or warehouse environments
- Choose near-field or far-field behavior based on the required reading zone

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECS	RFA-150-N	RFA-300-N	RFA-150-F	RFA-300-F
Frequency	865MHz-928MHz	865MHz-928MHz	865MHz-868MHz / 902MHz-928MHz	865MHz-868MHz / 902MHz-928MHz
Gain	-7.5dBi ±0.5	-5dBi ±0.5	3dBi ±0.5	7dBi ±0.5
Impedance	50Ω	50Ω	50Ω	50Ω
VSWR	2:1	2:1	2:1	2:1
Antenna Type	Directional	Directional	Directional	Directional
Polarization	LHCP	LHCP	LHCP	LHCP
Half Beamwidth	±50 degrees	±30 degrees	±50 degrees	±30 degrees
MECHANICAL SPECS				
Dimension (mm)	195 x 165 x 25	360 x 290 x 25	195 x 165 x 25	360 x 290 x 25
Weight (kg)	0.35	1.20	0.35	1.20
Casing	ABS Plastic			
Connector	SMA-F			
Mounting	Screw Type			