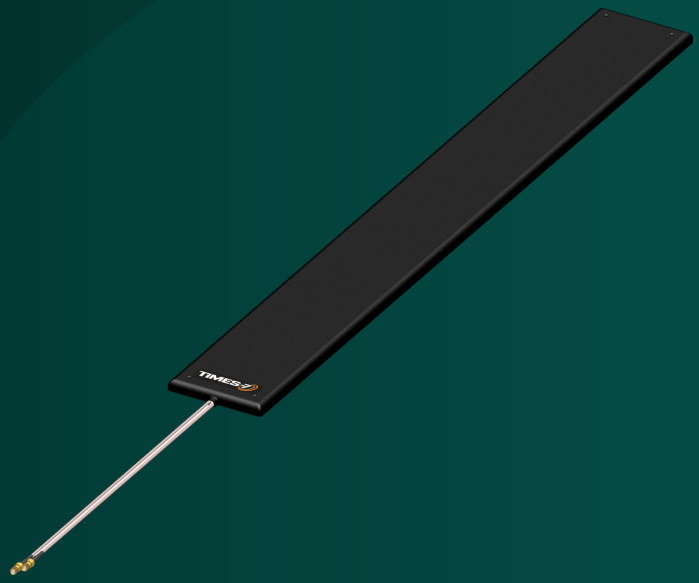
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Door Frame Antenna

Times-7 - A8065 Combo



- V and H side antennas, dual-linear on top
- Reads tags in any orientation and plane
- Only 9.6 mm deep, 700 x 90 mm per antenna
- Side antennas 7.5 and 6 dBi typical gain
- Drill guides or adhesive foam mounting

UHF RFID | RAIN - Door Frame Antenna
Three-antenna doorway set: V, H and dual-linear, 9.6 mm deep

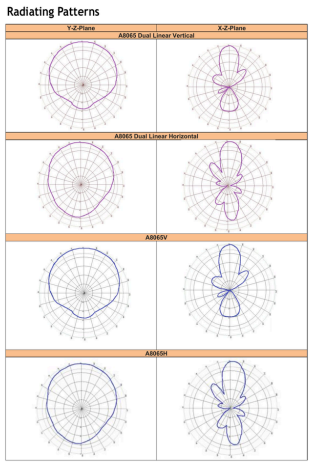
The Times-7 A8065 Combo is a SlimLine door frame antenna set that turns an existing doorway into a RAIN RFID read point. It combines three antennas: the vertically polarised A8065V and the horizontally polarised A8065H on the two door sides, and the dual-linear A8065D with two ports across the top. Each antenna measures 700 x 90 mm and is only 9.6 mm deep, so it sits flat on standard door frames.

Combining vertical linear, horizontal linear and dual-linear polarisation gives read coverage regardless of tag orientation. The A8065V delivers 7.5 dBi and the A8065H 6 dBi typical gain; the overhead A8065D provides 3 dBi horizontal and 4 dBi vertical, both typical. All units cover 865–868 MHz (ETSI) or 902–928 MHz (FCC), accept up to 3 W and work with any UHF RFID reader with 50 Ω ports.

The flame-retardant ABS radomes are rated IP54 and operate from -20 to +55 °C. Each antenna has integrated drill guides that can be drilled through without damaging the element, or attaches with an adhesive foam strip; RF connects via a 300 mm RG-316 lead with SMA female connector. The complete set is ordered under one part number per band, and each antenna is also available individually. Matching SMA to RP-TNC cables in 2, 4, 6 and 8 m are listed under Cable Accessories.

Common Applications

- Doorway RFID Portals
- Retail Item-Level Tracking
- Conference Attendee Tracking
- Hospital Patient Monitoring
- Asset Tracking In Hallways
- People Tracking At Doors



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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	V / H linear (sides) Dual linear, 2 ports (top)
Gain A8065V	7.5 dBi typical
Gain A8065H	6 dBi typical
Gain A8065D	3 dBi (H), 4 dBi (V) typical
VSWR	1.8 (V, H), 2.5 (D) typical
Front-to-Back Ratio	V 12 dB, H 6 dB, D 5 dB (V) / 10 dB (H)
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Mechanical

Set Contents	A8065V, A8065H, A8065D
Dimensions (each)	700 x 90 x 9.6 mm
Boxed Dimensions	725 x 115 x 25 mm
Weight (each)	0.58 kg net
Radome	Flame-retardant ABS
Connector	SMA female, 300 mm RG-316 lead
Mounting	Drill guides / adhesive foam strip

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +65 °C
Compliance	RoHS, REACH, CE

Ordering Information

A8065 Combo, ETSI / FCC	71881 / 71880
A8065V, ETSI / FCC	71885 / 71884
A8065H, ETSI / FCC	71887 / 71886
A8065D, ETSI / FCC	71883 / 71882

Cable Accessories (SMA to RP-TNC)

2 m, LMR 195 / 240 / 400	71436 / 71782 / 72042
4 m, LMR 240 / 400	71784 / 72043
6 m, LMR 240 / 400	71904 / 72044
8 m, LMR 240 / 400	71788 / 72045