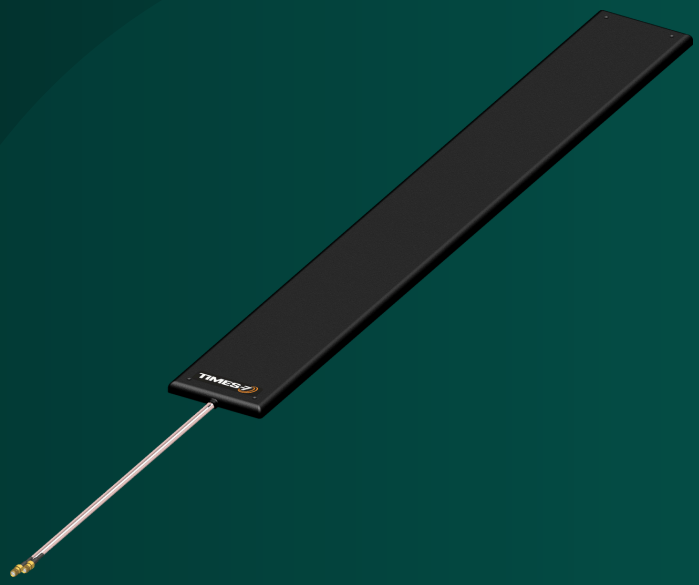
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Door Frame Antenna
Times-7 - A8065D



- Dual linear: V and H ports in one unit
- 4 dBi (V) and 3 dBi (H) typical gain
- Wide 140° / 110° beams in the YZ plane
- Only 9.6 mm deep, 700 x 90 mm footprint
- Overhead antenna of the A8065 Combo

UHF RFID | RAIN - Door Frame Antenna
Dual-linear two-port overhead door antenna, only 9.6 mm deep

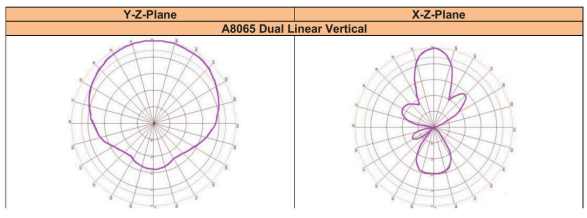
The Times-7 A8065D is a SlimLine dual-linear door frame antenna with two ports, designed to mount across the top of a doorway. It radiates both vertically and horizontally polarised fields: 4 dBi typical gain on the vertical and 3 dBi on the horizontal polarisation. The housing measures 700 x 90 mm, is only 9.6 mm deep and weighs 0.58 kg.

The 3 dB beamwidth is 25° (XZ) by 140° (YZ) for the vertical and 40° (XZ) by 110° (YZ) for the horizontal polarisation; front-to-back ratio is 5 dB and 10 dB respectively, VSWR 2.5 typical. The antenna covers 865–868 MHz (ETSI) or 902–928 MHz (FCC), accepts up to 3 W and works with any UHF RFID reader with 50 Ω ports. A 10 kΩ detection resistance lets readers identify it.

The flame-retardant ABS radome is rated IP54 and operates from -20 to +55 °C. Integrated drill guides can be drilled through without damaging the antenna, or it attaches with an adhesive foam strip; RF connects via 300 mm RG-316 leads with SMA female connectors. The A8065D is the overhead antenna of the A8065 Combo, which adds the A8065V and A8065H on the door sides for orientation-independent doorway reads.

Common Applications

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



IDCRAFT
RFID & NFC EXPERTS

Times-7 - A8065D

UHF RFID | RAIN - Door Frame Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Dual linear (V and H), 2 ports
Far-Field Gain	4 dBi (V), 3 dBi (H) typical
3 dB Beamwidth (V)	25° (XZ), 140° (YZ)
3 dB Beamwidth (H)	40° (XZ), 110° (YZ)
VSWR	2.5 typical
Front-to-Back Ratio	5 dB (V), 10 dB (H)
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A8065D, ETSI	71883
A8065D, FCC	71882
A8065 Combo, ETSI	71881
A8065 Combo, FCC	71880

Mechanical

Dimensions	700 x 90 x 9.6 mm
Boxed Dimensions	725 x 115 x 25 mm
Weight	0.58 kg net
Radome	Flame-retardant ABS
Connector	SMA female
Cable	RG-316, 300 mm
Mounting	Drill guides / adhesive foam strip
Mounting Position	Above the doorway

Environmental

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