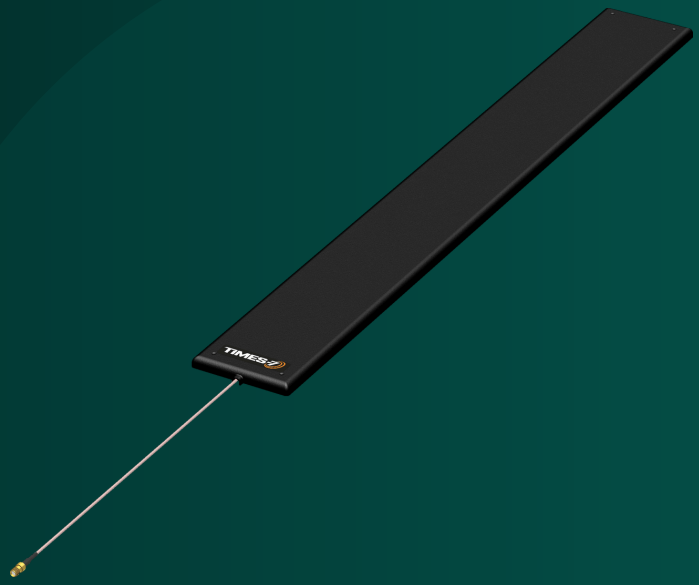
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Door Frame Antenna

Times-7 - A8065H



- 6 dBi typical gain, horizontal linear
- Beam 30° (XZ) x 110° (YZ), 3 dB
- Only 9.6 mm deep, 700 x 90 mm footprint
- Side antenna of the A8065 Combo portal
- Drill guides or adhesive foam mounting

UHF RFID | RAIN - Door Frame Antenna
Horizontal linear door frame antenna, 6 dBi typ., 9.6 mm deep

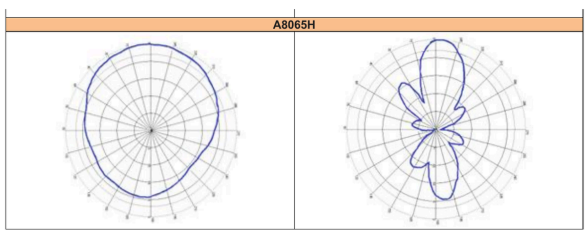
The Times-7 A8065H is a SlimLine door frame antenna with horizontal linear polarisation, designed to mount on the side of a doorway. It delivers 6 dBi typical far-field gain with a 3 dB beamwidth of 30° in the XZ plane and 110° in the YZ plane, in a housing of 700 x 90 mm that is only 9.6 mm deep and weighs 0.58 kg.

Typical VSWR is 1.8 and the front-to-back ratio 6 dB. 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 a 50 Ω antenna port. It is DC grounded for anti-static protection, and a 10 kΩ detection resistance lets readers identify a connected antenna. Paired with a vertically polarised antenna on the opposite side, it covers tags lying horizontally.

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 a 300 mm RG-316 lead with SMA female connector. The A8065H is the horizontal side antenna of the A8065 Combo, which pairs it with the A8065V and the dual-linear A8065D 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



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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Horizontal linear
Far-Field Gain	6 dBi typical
3 dB Beamwidth	30° (XZ), 110° (YZ)
VSWR	1.8 typical
Front-to-Back Ratio	6 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A8065H, ETSI	71887
A8065H, FCC	71886
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

Environmental

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