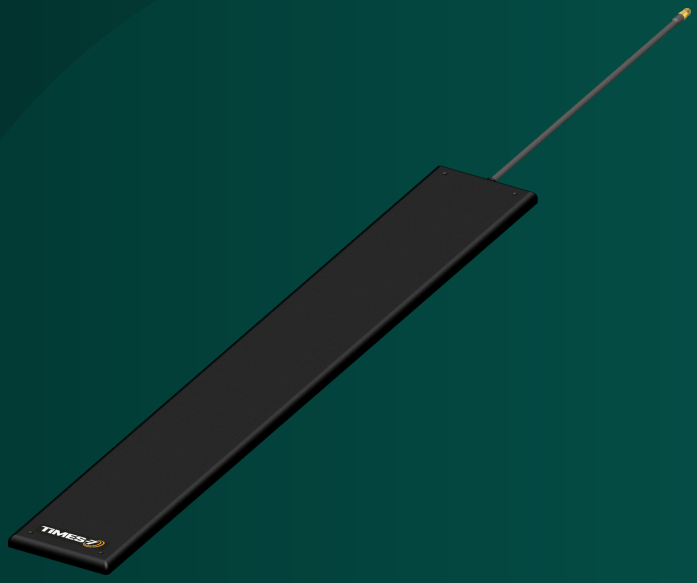
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Door Frame Antenna
Times-7 - A8060



- 5 dBi gain, horizontal linear polarisation
- Beam 30° (XZ) x 110° (YZ), 3 dB
- Only 9.6 mm deep, 650 x 88 mm footprint
- Use as left, right or top door antenna
- No frame or mounting kit required

UHF RFID | RAIN - Door Frame Antenna
Horizontal linear door frame antenna, 5 dBi, under 10 mm deep

The Times-7 A8060 is a SlimLine ultra-low-profile linear flat panel antenna that turns an existing doorway into a RAIN RFID portal or read point. A horizontally polarised element delivers 5 dBi far-field gain with a 3 dB beamwidth of 30° in the XZ plane and 110° in the YZ plane, in a 650 x 88 mm housing that is only 9.6 mm deep and weighs 0.532 kg.

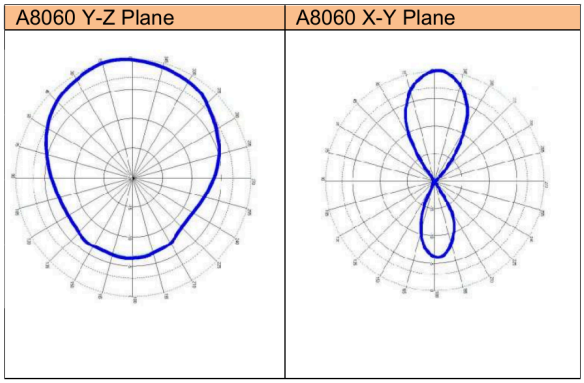
Typical VSWR is 1.8 and the front-to-back ratio 7 dB. The antenna covers 865–868 MHz (ETSI) or 902–928 MHz (FCC), accepts up to 3 W and works with any UHF RFID reader with a 50 Ω antenna port. It is DC grounded for anti-static protection, and a 10 kΩ detection resistance lets readers identify a connected antenna.

The fire-retardant ABS radome is rated IP54 and operates from -20 to +55 °C. Four drill guides on the radome can be drilled through without damaging the antenna, or the included adhesive foam strip fixes it to a flat surface, so no extra frames or mounting kits are needed. The A8060 works as left, right or top antenna; RF connects via a 300 mm side fly lead with SMA female connector. Matching SMA to RP-TNC cables in 2, 4, 6 and 8 m are listed under Cable Accessories.

Common Applications

- Doorway RFID Portals
- Asset Tracking At Doors
- People Tracking At Events
- Hospital Patient Tracking
- Patient Flow Monitoring
- Portals With Floor Antenna

Radiation Pattern



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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Horizontal linear
Far-Field Gain	5 dBi
3 dB Beamwidth	30° (XZ), 110° (YZ)
VSWR	1.8 typical
Front-to-Back Ratio	7 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A8060, ETSI	71442
A8060, FCC	71416

Mechanical

Dimensions	650 x 88 x 9.6 mm
Boxed Dimensions	670 x 100 x 20 mm
Weight	0.532 kg net
Radome	Fire-retardant ABS
Connector	SMA female, side fly lead
Fly Lead Length	300 mm
Mounting	4 drill guides / adhesive foam strip

Environmental

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

Cable Accessories (SMA to RP-TNC)

2 m, T7 195 / 240 / 400	71436 / 71782 / 72042
4 m, T7 240 / 400	71784 / 72043
6 m, T7 240 / 400	71904 / 72044
8 m, T7 240 / 400	71788 / 72045