

The A8060 door frame antenna

The SlimLine A8060 is a unique, ultra-low profile linear flat panel UHF antenna. The durable A8060 easily transforms existing doorways into an RFID portal or read point.

At just 10.5 mm / 0.4 " thickness and with integrated mounting holes requiring no extra frames and mounting kits for installation, the A8060 is a portal antenna solution with absolutely no compromise on spatial dimensions. Versatile and good-looking, the A8060 works as a left, right and/or top antenna.

When combined with a SlimLine ground antenna (e.g. the A6590C), the A8060 makes a high performance, cost effective RFID portal a reality.

Order Information



Ordering Information (please quote product code, band / cable type & part no.)

Antenna Product Code	Band	Part No.
A8060	ETSI 865-868 MHz	71442
A8060	FCC 902-928 MHz	71416
Cable Accessories Product Code	Cable Type	Part No.
Cable 2 m, SMA to RPTNC	T7 195 / 240 / 400	71436 / 71782 / 72042
Cable 4 m, SMA to RPTNC	T7 240 / 400	71784 / 72043
Cable 6 m, SMA to RPTNC	T7 240 / 400	71904 / 72044
Cable 8 m, SMA to RPTNC	T7 240 / 400	71788 / 72045

*Built in New Zealand. ROHS & CE compliant.

View the Times-7 Cable Accessory datasheet [here](#)

Specifications

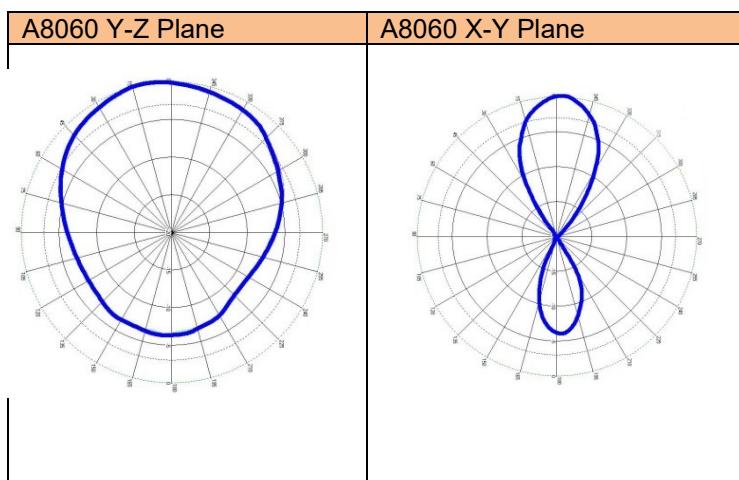
Physical / Environmental Specifications

Dimensions: Length (x) x Width (y) x Depth (z)	650 mm x 88 mm x 10.5 mm 25.59" x 3.54" x 0.41"
Boxed unit dimensions: (L x W x D)	670 mm x 100 mm x 20 mm 26.37" x 3.93" x 0.78"
Net Weight:	0.532 kg / 1.25 lbs.
Gross Weight:	0.651 kg / 1.43 lbs.
Radome Material:	Fire retardant ABS
Environmental Rating:	IP54
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Mounting:	Integrated mounting guides / Adhesive foam strip
Connector type / position:	SMA female side fly lead (300 mm / 1 ')

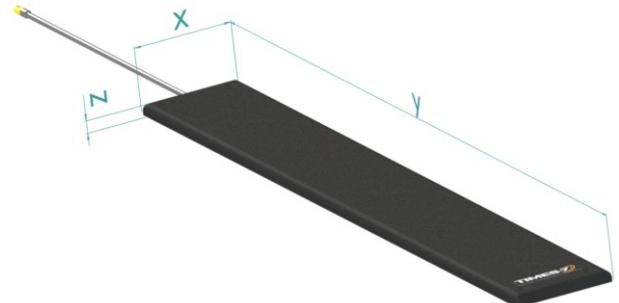
Electrical Specifications

Frequency Range:	865-868 MHz / 902-928 MHz
Polarization:	Horizontally Linear
Far-field Gain:	5 dBi
Far-field 3 dB beamwidth: *	110° in yz-plane, 30° in xz-plane
VSWR	1.8 typical
Front to back ratio:	-7 dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes, DC grounded
Maximum Input Power:	3 W
Antenna detection	10 K Ω resistance

Radiation Pattern



Azimuth Planes



Mounting Information

Flush mount

- The A8060 has 4 drill guides on the antenna radome, which can be drilled through without damaging the antenna. For the exact position please refer to the mechanical drawings. For further instructions please click [here](#).

Installation Instructions

Please ensure

- Ensure that only finger tightness is used for the SMA connector. Use of tools to tighten the connector will apply excessive force and will damage the connector.
- Avoid any load or bending force from the cable on the connector.
- That the antenna is attached (with either the included adhesive tape or mounting screws) to a flat surface.

Applications

Asset & people tracking

The A8060 Antenna is perfect for tracking people at events through an RFID portal/doorway deployment. This antenna easily fits into any door frame to track people who move through it.



Hospital patient tracking

The A8060 antenna allows hospitals to track the most vulnerable patients and reduce injuries due to falls or wandering. Patient tracking improves patient flow within the hospital.



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Datasheet v3.0

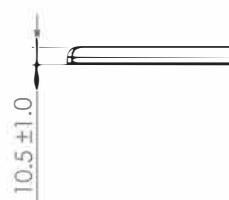
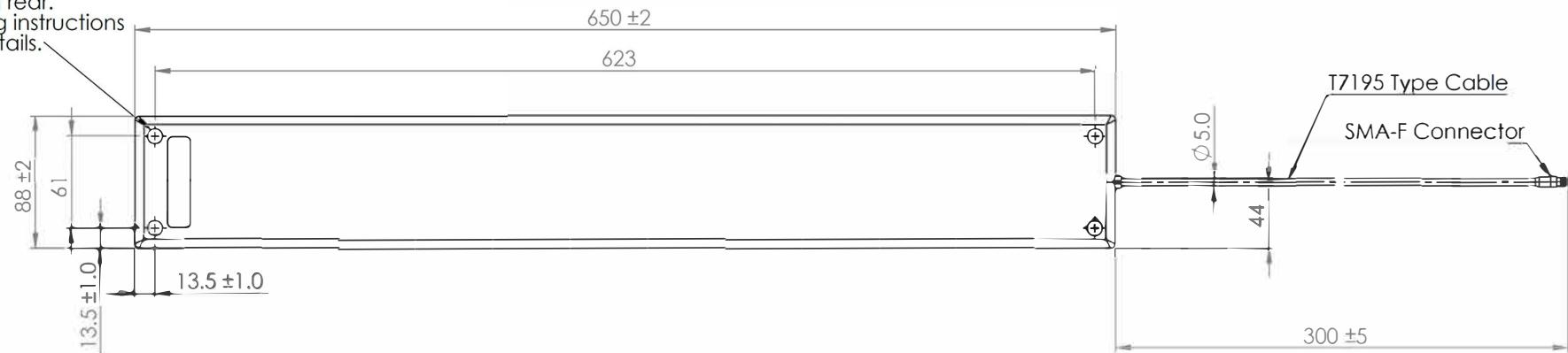
Mechanical Drawing for the A8060



4x Mounting Guide for
Ø 6 screws/bolts or smaller.
Marker on front surface,
pre-drilled on rear.
See mounting instructions
for further details.

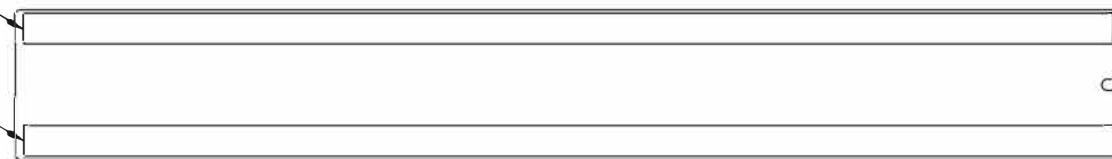


Linearly polarized
parallel to the long
edge of the
antenna



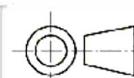
Adhesive mounting
strip

Adhesive mounting
strip



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DIMENSIONS ARE IN mm
UNLESS OTHERWISE SPECIFIED
TOLERANCES:
NO DECIMAL PLACES ± 1
ONE PLACE DECIMAL ± 0.5



DESCRIPTION

A8060 Antenna

DRAWN

C Wilson

APPROVED

R Lopez

SIGNATURE

SIGNATURE

DATE

06/06/2019

DATE

11/06/2019

SIZE

A3

PART NO.

71422 (ETSI) / 71416 (FCC)

REV

D

DO NOT SCALE DRAWING

SHEET 1 OF 1