UHF RFID ANTENNA ARRAY · 902–928 MHZ · MADE TO ORDER

ID-ANT-ARRAY

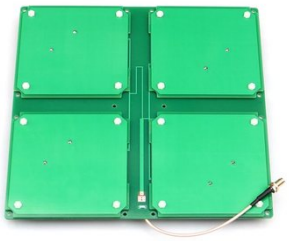
2, 4 or 8 circular 8 dBi panels on one reader port, with coax cut to your portal.

2, 4 or 8 elements | 8 dBi per element | One N-female output | LMR-400 coax | IP65

One read zone across the whole opening.

The **Identium ID-ANT-ARRAY** spreads several circular polarized panels across a frame, so the read zone covers a full opening: about 0.6 m wide with two elements and 2.4 m with eight. A power divider joins them on one N-female output, so the array uses one reader port.

Each element is an 8 dBi RHCP panel specified for 902–928 MHz; for India's 865–868 MHz band, we confirm the band first. The IP65 frame is aluminium or stainless steel, with LMR-400 coax cut to your portal (3 m standard).



2–8	8 dBi	2.4 m	IP65	3 m
Elements per array	Gain per element, RHCP	Zone width, 8 elements	Array rating	Standard LMR-400 coax

WHAT IT DOES

Cover, connect and build

COVER — Full-width zone

- 2, 4 or 8 panels per array
- About 0.6 m wide with 2 elements
- About 2.4 m wide with 8 elements
- 4 elements for widths between

CONNECT — One reader port

- Single N-female output
- Elements joined by a power divider
- LMR-400 coax cut to order
- Standard cable length 3 m

BUILD — Made to order

- Aluminium extrusion frame
- Or a stainless steel tube frame
- IP65 rating
- 8 dBi RHCP per element

WHERE IT WORKS

Where it reads

Dock doors	Pallet loads	Conveyor tunnels	Vehicle lanes	Corridors	Totes and trays
Full-width openings	Tags anywhere on loads	Above and below belts	Windshield, roof tags	Staff tags in passing	Items in transit

HOW IT WORKS

From one reader port to a full-width zone

Fixed reader
A fixed UHF reader on the band we confirm for your site; one port for the array

Coax cable
LMR-400 cut and terminated to your portal; 3 m standard

ID-ANT-ARRAY
2, 4 OR 8 ELEMENT ARRAY
- Joins elements via a power divider
- Feeds them from one N-female port
- Each panel 8 dBi, RHCP
- Covers 0.6 m to 2.4 m of width
- Mounts on an IP65 frame

Tags
Tags on pallets, cartons, vehicles or staff across the opening

Configured to your opening
Send the opening width and height, the reader position and the cable run, and we suggest the element count.

WHY THE ID-ANT-ARRAY

One zone for wide openings

Covers the full width
Several panels across a frame put the whole opening in the read zone, from about 0.6 m to 2.4 m wide.

One reader port
A power divider combines the elements onto one N-female output, so the array takes a single reader port.

Circular per element
Each element is an 8 dBi right-hand circular panel, so tags read at varying orientations.

Cable cut to your portal
LMR-400 coax is cut and terminated to the lengths your portal needs, leaving a tidy run on site.

Frame to suit the site
Choose an aluminium extrusion or stainless steel tube frame, built to your opening.

IP65 rated
The array is rated IP65 for dock doors, conveyor tunnels and vehicle lanes.

Example layouts
Across a dock door, above and below a belt, at the side and top of a lane, or on both walls of a corridor.

Sized with you
Two elements cover about 0.6 m, eight about 2.4 m and four the widths between; we suggest a set-up from your sizes.

ARRAY DATA

Array configuration

PARAMETER	ID-ANT-ARRAY	IN PRACTICE
Elements	2, 4 or 8 panels	Matched to the opening width
Coverage width	0.6 m (2) to 2.4 m (8)	Dock doors, belts, lanes
Gain	8 dBi per element	Focused zone from each panel
Polarization	Circular (RHCP) per element	Tags read at varying angles
Frequency	902–928 MHz	Reader set to the same band
Output	Single N-female, via power divider	One reader port for the array

Read results depend on the reader, the tags and the opening; send your dimensions and we suggest a configuration.

AT A GLANCE

- One N-female output for the whole array
- LMR-400 coax cut to order, 3 m standard
- Aluminium or stainless steel frame, IP65

YOUR ORDER

- ID-ANT-ARRAY with 2, 4 or 8 elements on a frame
- LMR-400 coax cut and terminated to your lengths
- Readers and tags can be quoted with the array

ORDERING

ID-ANT-ARRAY — UHF RFID array antenna: 2, 4 or 8 × 8 dBi RHCP elements, 902–928 MHz, single N-female output, LMR-400 coax to order, IP65 frame.

SPECIFICATIONS

Technical data

ARRAY	
Elements	2, 4 or 8 panels per array
Coverage width	0.6 m (2 elements) to 2.4 m (8 elements)
Output	Single N-female (elements combined via power divider)

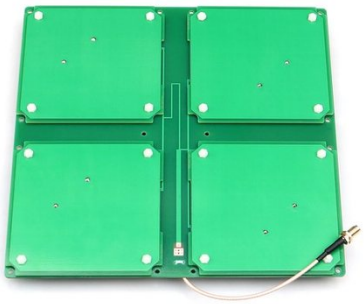
RF	
Frequency	902–928 MHz
Gain	8 dBi per element
Polarization	Circular (RHCP) per element

BUILD	
Cable	LMR-400 coax, cut to order (standard 3 m)
Frame	Aluminium extrusion or stainless steel tube, made to order

ENVIRONMENT	
IP rating	IP65

PRODUCT VIEWS

ID-ANT-ARRAY



Size the array to your opening.

Send the opening width and height, where the reader sits, the cable run and the installation country, and we will suggest a configuration and quote it with readers and tags.

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Read results depend on the reader, its output power, the tags and the site layout. Specifications are indicative and may change without notice; confirm details for your order in the quotation.