UHF RFID · 860–960 MHZ · ON-METAL PCB DISC

IDTS-D16-25

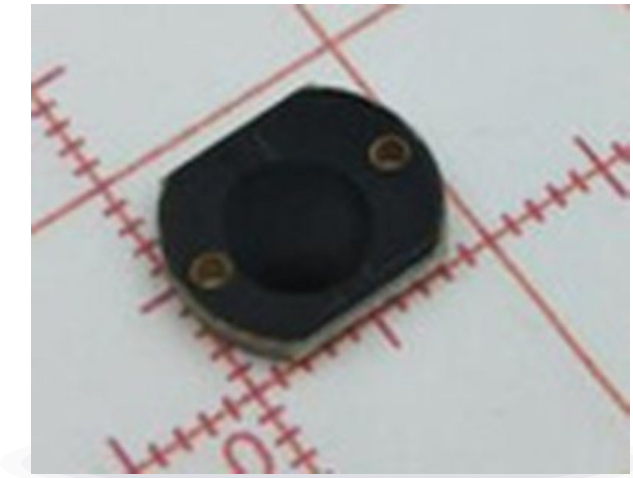
A 16 mm, 2.5 mm thick UHF on-metal disc rated up to 120 cm, for walk-past audits.

M4QT chip | Up to 120 cm | Ø16 × 2.5 mm | EPC Gen2 / 18000-6C | 860–960 MHz

Walk past the rack and read the assets.

The **Identium IDTS-D16-25** is where the round PCB tags move from close-range to walk-past reading. Its 16 mm, 2.5 mm thick disc with an M4QT chip is rated up to 120 cm, three times the 40 cm of the 10 mm D10-20.

An auditor with a handheld reads tagged items on a rack or trolley without bringing the reader up to each one. Bond the disc flat with epoxy or industrial adhesive on clean metal, or set it into a shallow recess to protect its edge.



120 cm — Rated read range

Ø16 mm — Round PCB disc

2.5 mm — Thick

860–960 — MHz, covers 865–868 MHz

Gen2 — EPC Class 1 Gen 2

WHAT IT DOES

Read, bond it, audit with it

READ
M4QT chip, up to 120 cm

- Walk-past reads with a handheld
- Racks and trolleys in one pass
- Standard Gen2 readers
- 860–960 MHz, covers 865–868 MHz

BOND
Flat on clean metal

- Degrease the surface first
- Epoxy or industrial adhesive
- Let it cure before use
- Or set into a shallow recess

AUDIT
Fixed asset counts

- Cabinets, guards and panels
- Crates and stillages
- Servers and switches
- Custom encoding on request

WHERE IT WORKS

Where the tag goes

Asset audits
Fixed asset audits

Metal crates
Returnable crates

IT hardware
Servers and switches

Tool tracking
Tools on shelves

Equipment
Equipment management

Panels
Cabinets and guards

HOW IT WORKS

From a tagged asset to your audit report

Your assets
Cabinets, machine guards, crates, stillages and IT hardware

IDTS-D16-25
16 MM ON-METAL UHF DISC
- Holds your asset number in the EPC
- Bonded flat to the metal
- Read at up to 120 cm
- Picked up in a walk-past
- Answers standard Gen2 readers

UHF reader
UHF handheld for walk-past audits on 865–868 MHz

Your software
Fixed asset register and audit reports

Handhelds for audits
Our UHF handheld readers pick up tagged metal assets on racks and trolleys in a walk-past.

WHY THE IDTS-D16-25

From close-range to walk-past

Up to 120 cm
Three times the 40 cm of the 10 mm D10-20, so a handheld reads items without being brought up to each one.

16 mm disc
A small round face for cabinets, panels, crates and IT hardware with metal housings.

Made for metal
An on-metal UHF PCB disc for metal fixed assets counted in periodic audits.

Bonded flat
Degrease, bond the whole base flat with epoxy or industrial adhesive, and let it cure.

Recess for protection
On assets that get knocked about, a shallow recess protects the disc's edge.

Check your scan angle
Before tagging a fleet, check the range with your own handheld at the height and angle your team scans from.

Custom encoding
D16-25 tags can be supplied encoded with your asset numbers.

Samples for evaluation
Samples are available to evaluate before a large order.

CHIP AND MEMORY

Air interface and memory

PARAMETER	IDTS-D16-25	NOTES
Chip	Impinj Monza 4QT (M4QT)	EPC Class 1 Gen 2 / ISO 18000-6C
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 120 cm	Depends on reader power, antenna gain and surface
Size	Ø16 × 2.5 mm	Bonded flat with epoxy or adhesive
Encoding	Custom encoding	On request

Impinj and Monza are trademarks of Impinj, Inc. Read range is the rated figure; reader power, antenna gain and the metal surface affect it.

AT A GLANCE
- Rated read range up to 120 cm
- Ø16 × 2.5 mm, bonded flat on metal
- Custom encoding and samples available

SUPPLIED AS
- IDTS-D16-25 discs
- Blank or with custom encoding
- Samples for evaluation before a large order

ORDERING

IDTS-D16-25	Ø16 × 2.5 mm on-metal UHF PCB disc, M4QT chip, up to 120 cm.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Class 1 Gen 2 / ISO 18000-6C
Chip	M4QT (Impinj Monza 4QT)
Read range	Up to 120 cm

ENCODING	
Encoding	Custom encoding on request

MECHANICAL	
Dimensions	Ø16 × 2.5 mm
Shape	Round disc
Material	PCB
Mounting	Bond with epoxy or industrial adhesive
Mounting surface	Metal (on-metal design)

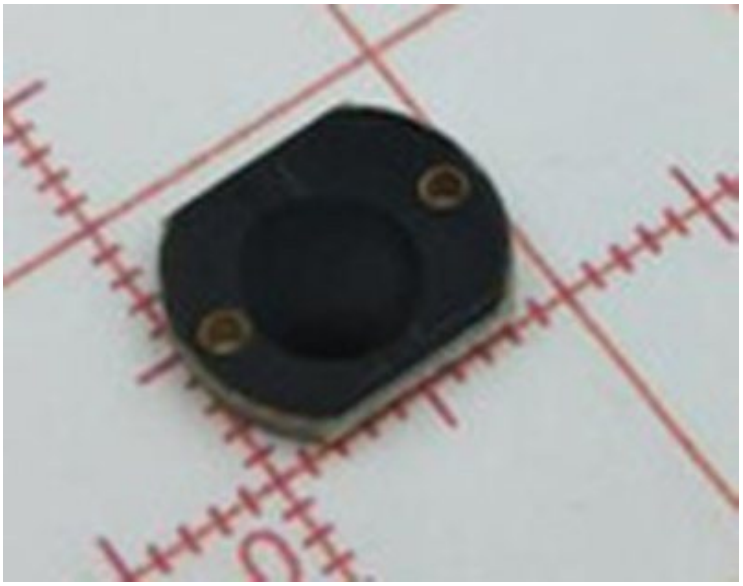
WHICH DISC?

IDTS-D16-25, D17-25 or D18-25

	IDTS-D16-25	IDTS-D17-25	IDTS-D18-25
Size	Ø16 × 2.5 mm	Ø17 × 2.5 mm	Ø18 × 2.5 mm
Chip	M4QT	H9	H9
Read range	Up to 120 cm	Up to 150 cm	Up to 150 cm
Mounting	Bonded with epoxy or adhesive	Bonded with epoxy or adhesive	2 mm aperture: screw or rivet, or adhesive
Choose it for	Walk-past audits from a 16 mm disc	150 cm with a bonded fit	150 cm with a mechanical fixing

PRODUCT VIEWS

IDTS-D16-25 disc



Plan your next asset audit.

Ask for a quotation with the quantity and any custom encoding, and evaluate samples with your own handheld before tagging the fleet.

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Read range depends on the card or tag, its size and the environment. Specifications are indicative and may change without notice; confirm details for your order in the quotation.