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

IDTS-D10-16

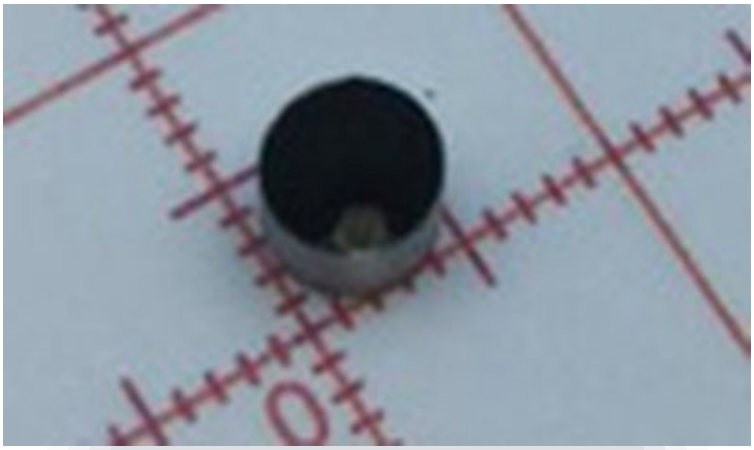
A 10 mm UHF on-metal disc just 1.6 mm thin, for small tools and parts read up to 30 cm.

M750 chip | Up to 30 cm | Ø10 × 1.6 mm | EPC Gen2 / 18000-6C | 860–960 MHz

A flush-fitting disc for small metal parts.

The **Identium IDTS-D10-16** is a 10 mm round PCB tag just 1.6 mm thick. Set it into a shallow pocket on a tool, die or fitting so it sits flush, or bond it flat on a small face where a thicker tag would stand proud.

Its M750 chip on EPC Class 1 Gen 2 / ISO 18000-6C is rated up to 30 cm: an item placed on a desktop reader at a tool-issue counter, or scanned with a handheld close to a drawer, is identified at once.



30 cm	Ø10 mm	1.6 mm	860–960	Gen2
Rated read range	Round PCB disc	Thick, for flush fitting	MHz, covers 865–868 MHz	EPC Class 1 Gen 2

WHAT IT DOES

Read close, set it flush, encode it

READ
M750 chip, close-range reads

- Up to 30 cm, rated
- Desktop reader at a counter
- Handheld held close to a drawer
- 860–960 MHz, covers 865–868 MHz

FIT
Bonded flat or recessed

- Epoxy or industrial adhesive
- Flush in a shallow pocket
- Base flat against the metal
- Thin non-metallic epoxy on top

ENCODE
Number each tag first

- Encode and check before fitting
- Custom encoding on request
- Samples to test fit and range
- Standard Gen2 UHF readers

WHERE IT WORKS

Where the tag goes

Tool tracking	Small parts	Tool issue	Equipment	On-metal assets	Dies, fittings
Hand tools and dies	Small metal parts	Tool-issue counters	Equipment management	Small metal assets	Recessed in dies

HOW IT WORKS

From a tagged tool to the issue counter

Your tools
Tools, dies, fittings and small metal parts with a 10 mm patch

IDTS-D10-16
10 MM ON-METAL UHF DISC
- Holds your tool number in the EPC
- Sits flush in a shallow pocket
- Bonded with epoxy or adhesive
- Read at up to 30 cm
- Answers standard Gen2 readers

UHF reader
Desktop reader at a tool-issue counter, or a handheld held close

Your software
Tool issue and return, or equipment records

Close-range readers
UHF desktop readers at issue counters and UHF handhelds for drawers and trays suit a 30 cm tag.

WHY THE IDTS-D10-16

Small, thin and flush

Just 1.6 mm thick
Low enough to sit flush in a shallow drilled pocket on a tool, die or fitting, so it catches on nothing.

10 mm across
Fits small faces where a larger tag would overhang or stand proud.

Up to 30 cm
A close-range tag by design: identify items on a desktop reader or with a handheld held close.

Made for metal
An on-metal UHF PCB disc meant to read while bonded to metal tools and parts.

Bonded in place
Fix it with epoxy or industrial adhesive, on the surface or at the bottom of a recess.

Protected in a pocket
Keep the base flat on the metal and cover the top with a thin layer of non-metallic epoxy.

Custom encoding
D10-16 tags can be supplied encoded, ready to fit.

Samples for a trial
Test the fit and read distance on your own tools before a full order.

CHIP AND MEMORY

Air interface and memory

PARAMETER	IDTS-D10-16	NOTES
Chip	Impinj M750	EPC Class 1 Gen 2 / ISO 18000-6C
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 30 cm	Close-range reads; depends on reader and mounting
Size	Ø10 × 1.6 mm	For flush, recessed fitting
Encoding	Custom encoding	On request

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

AT A GLANCE

- Ø10 × 1.6 mm, for flush fitting in a pocket
- Rated read range up to 30 cm
- Custom encoding and samples available

SUPPLIED AS

- IDTS-D10-16 discs
- Blank or with custom encoding
- Samples to test fit and read distance on your tools

ORDERING

IDTS-D10-16 Ø10 × 1.6 mm on-metal UHF PCB disc, M750 chip, up to 30 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	M750 (Impinj)
Read range	Up to 30 cm

ENCODING	
Encoding	Custom encoding on request

MECHANICAL	
Dimensions	Ø10 × 1.6 mm
Shape	Round disc
Material	PCB
Mounting	Bonds with epoxy or industrial adhesive
Mounting surface	Metal (on-metal design)
Fitting	On the surface or set into a shallow recess

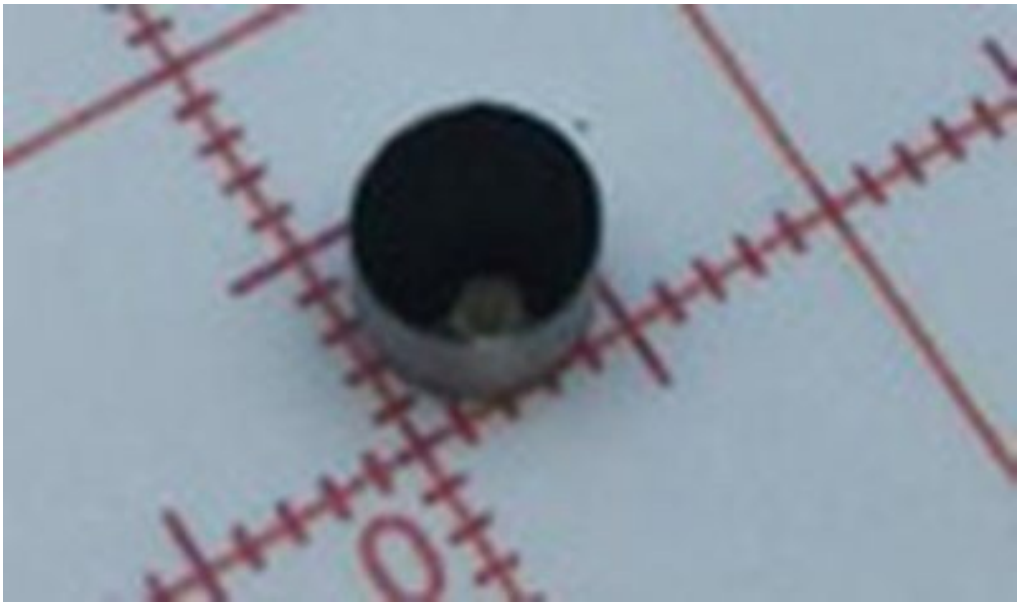
WHICH 10 MM DISC?

IDTS-D10-16 or IDTS-D10-20

	IDTS-D10-16	IDTS-D10-20
Size	Ø10 × 1.6 mm	Ø10 × 2 mm
Chip	M750	M4QT
Read range	Up to 30 cm	Up to 40 cm
Mounting	Epoxy or industrial adhesive, on the surface or in a recess	Epoxy or industrial adhesive, or pressed into a counterbore
Choose it for	The thinnest fit, flush in a shallow pocket	More distance from the same 10 mm patch

PRODUCT VIEWS

IDTS-D10-16 disc



Test the D10-16 on your tools.

Ask for a quotation with the quantity and any custom encoding, and order samples to check the fit and read distance on your own tools.

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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.