UHF RFID · 840–960 MHZ · ON-METAL HARD TAG

IDTS-UMMT

A compact 60 × 19 mm on-metal UHF tag that reads at up to 10 m on metal surfaces.

H3 chip | Up to 10 m on metal | IP68 | 60 × 19 × 10 mm | 512-bit user memory

Medium range in a compact metal tag.

The **Identium IDTS-UMMT** is a 60 × 19 × 10 mm hard tag designed to be read on metal, at up to 10 m on metal surfaces. It reaches machinery, steel racks and equipment from an aisle or a doorway, and fits a side panel or a rack upright.

The impact-resistant ABS/PC housing is sealed to IP68 and works from –25 °C to +85 °C, for outdoor yards and hot shop floors. An H3 chip holds up to 496 bits of EPC and 512 bits of user memory; the face takes engraving, marking or a polyester label.



10 m	60 × 19	512-bit	IP68	9 g
Read range on metal	mm, 10 mm thick	User memory	–25 °C to +85 °C	Weight

WHAT IT DOES

Read, fix on metal, mark it

READ
H3 chip, 840–960 MHz

- Up to 10 m on metal surfaces
- Up to 15 m max., by reader
- EPC up to 496 bits
- 512-bit user memory

FIX
Compact, made for metal

- 60 × 19 × 10 mm, 9 g
- Side panels and rack uprights
- Impact-resistant ABS/PC
- IP68, –25 °C to +85 °C

MARK
Asset numbers by eye

- Laser engraving
- Marking
- Or a polyester label
- Five housing colours

WHERE IT WORKS

Where the tag goes

Plant machinery
Machine side panels

Steel racking
Rack uprights

Outdoor yards
Yard assets in the open

Vehicles
Vehicles and trailers

Equipment
Industrial equipment

Asset audits
Fixed asset verification

HOW IT WORKS

From a metal asset to your asset register

Metal assets
Machinery, steel racks, vehicles, trailers and yard equipment

IDTS-UMMT
COMPACT ON-METAL UHF TAG
- Fixed on the metal surface
- Holds the asset number in the EPC
- Keeps 512 bits of user data
- Read at up to 10 m on metal
- Shows the ID engraved or printed

UHF reader
Fixed reader at aisles and doorways, handheld for audits, 865–868 MHz

Your software
Asset register, maintenance or fleet records

A metal tag for every distance
For wide yards and loading bays, the UMLT reads at up to 15 m; for small IT items, the MNTH3 nano tag fits.

WHY THE IDTS-UMMT

Compact, rugged and read from the aisle

Up to 10 m on metal
Up to 10 m on metal surfaces, and up to 15 m maximum, depending on the reader's power, antenna and surroundings.

Small footprint
60 × 19 mm and 9 g: it fits a machine side panel or a rack upright where space is short.

IP68 ABS/PC housing
Impact-resistant and sealed to IP68, for outdoor yards and wet or dusty plant areas.

–25 °C to +85 °C
Covers outdoor yards and hot shop floors through an Indian summer.

Room for your data
H3 chip: EPC up to 496 bits and 512 bits of user memory, with 100,000 write cycles.

Marked for people too
Laser engraving, marking or a polyester label carries an asset number or barcode.

Five housing colours
White, grey, black, orange or blue, to colour-code sites or asset types.

Passive, no battery
Powered by the reader's field, with no battery to replace.

CHIP AND MEMORY

Air interface and memory

PARAMETER	IDTS-UMMT	NOTES
Chip	Alien Higgs 3	Passive UHF
Frequency	840–960 MHz	Covers India's 865–868 MHz band
EPC memory	Up to 496 bits	Asset number
User memory	512 bits	Extra data beside the EPC
Write endurance	100,000 cycles	Re-encode when an asset is reassigned
Read range	Up to 10 m on metal	Up to 15 m max.; depends on reader, antenna and surroundings

Alien and Higgs are trademarks of Alien Technology, LLC.

AT A GLANCE
- Reads at up to 10 m on metal surfaces
- Compact 60 × 19 × 10 mm, 9 g, IP68
- Laser engraving, marking or polyester label

SUPPLIED AS
- IDTS-UMMT tags, 60 × 19 × 10 mm, 9 g
- Housing in white, grey, black, orange or blue
- Marking to order: laser engraving, marking or a polyester label

ORDERING

IDTS-UMMT	On-metal UHF tag, 60 × 19 × 10 mm, H3 chip, IP68, up to 10 m on metal.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	840–960 MHz (covers India's 865–868 MHz band)
Chip	Alien Higgs 3
Memory	EPC up to 496 bits; user memory 512 bits
Write endurance	100,000 cycles
Read range	Up to 10 m on metal (up to 15 m maximum, reader dependent)
Power	Passive (no battery)

MECHANICAL	
Dimensions	60 × 19 × 10 mm
Weight	9 g
Material	ABS/PC
Colour	White, grey, black, orange or blue
Printing	Laser engraving, marking or polyester label

ENVIRONMENT	
Operating temp.	–25 °C to +85 °C
Storage temp.	–25 °C to +65 °C
IP rating	IP68

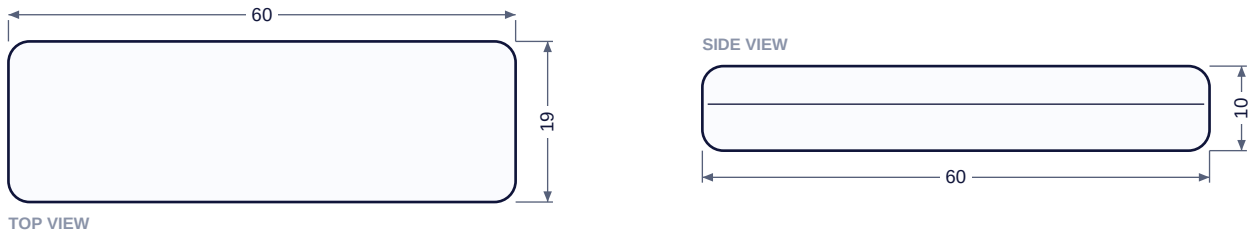
WHICH ON-METAL HARD TAG?

IDTS-UMMT or UMLT

	IDTS-UMMT	UMLT
Read range	Up to 10 m on metal (15 m max.)	Up to 15 m
Size	60 × 19 × 10 mm	100 × 30 × 6 mm
Chip	H3, EPC up to 496 bits	H9, EPC up to 496 bits
Choose it for	Compact fitting on side panels and rack uprights	Reading across a shop floor, yard or high racking

MECHANICAL

Dimensions



Top and side views, mm. 9 g.

Tag a sample of your metal assets.

Ask for a quotation with the quantity, housing colour and any engraving or printing, and tell us the assets and the read distance you need.

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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.