UHF RFID · 860–960 MHZ · INLAY TAG

ID-4211-KX2005

A compact passive UHF tag with a KX2005 chip for stores bins, tool cases and crates.

KX2005 chip | Passive, no battery | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 6 m read range

Stock checks done with a reader.

The **Identium ID-4211-KX2005** is a compact passive UHF tag on the KX2005 chip for everyday tagging in a plant, workshop or office: spares bins, tool cases, plastic crates and non-metal equipment. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz.

Each tag carries its own EPC number and answers a reader from up to 6 m in good conditions, so a storekeeper confirms a shelf or a stack of crates without handling each item. It needs no battery and covers India's 865–868 MHz band.



6 m	KX2005	0	860–960	865–868
Read range, up to	UHF chip	Batteries: passive tag	MHz response	MHz, India UHF band

WHAT IT DOES

Read, fix and encode

READ
KX2005 chip, passive

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 6 m, reader-dependent
- No battery to change

FIX
Compact, thin and flexible

- Bins, packets and crates
- Plastic tool cases
- Flat or curved faces
- Clean, dry, non-metal surface

ENCODE
Your item code in the EPC

- UHF desktop reader
- UHF RFID printer
- Code printed on the face
- EPC lockable after writing

WHERE IT WORKS

Where the tag goes

Spares stores
One tag per bin or packet

Tool cribs
Cases read at issue and return

Crates and totes
Returnable plastic crates

Equipment
Office and lab equipment

Cartons
Carton labelling

Store-room records
Linked to item codes in ERP

HOW IT WORKS

From a tagged bin to your ERP

Your items
Spares bins, plastic tool cases, crates and non-metal equipment

ID-4211-KX2005
COMPACT PASSIVE UHF TAG, KX2005
- Holds the item code in the EPC
- Needs no battery
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 6 m
- EPC lockable after encoding

UHF reader
UHF handheld for counts; reader at the tool crib for issue and return

Your software
ERP or stores software linked to item codes

Encode at the desk, count with a handheld
Our UHF desktop readers write the item code; our UHF handheld readers run the day-to-day counts.

WHY THE ID-4211-KX2005

Everyday tagging for stores and tools

Confirm a shelf at a glance
A storekeeper reads a shelf or a stack of crates without handling each item.

Passive: no battery
Powered by the reader's field, so there is no battery to change.

Up to 6 m
Rated up to 6 m; reader antenna, power, tag orientation and the surface set the range.

Tool crib control
Tag the plastic tool case and read it at issue and return.

Linked to your ERP
One tag per bin or packet, its EPC linked to the item code in your ERP.

Lockable EPC
Lock the EPC after writing so the item code stays as encoded.

A visual fallback
Print the same item code on the face so staff can identify the item by eye.

On-metal tags for metal items
For steel shelving and metal tools, use a spacer or our on-metal RFID tags.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-4211-KX2005	NOTES
Chip	KX2005	Passive UHF chip
Air interface	EPC Gen2 / ISO 18000-6C	Any Gen2 UHF reader
Frequency	860–960 MHz	Covers India's 865–868 MHz band
EPC	Writable, lockable	Item or asset number
Read range	Up to 6 m	Depends on reader, antenna and environment

Read range is a rated value in good conditions.

AT A GLANCE

- KX2005 chip, passive, EPC Gen2
- Up to 6 m, depending on reader, antenna and environment
- Made for bins, tool cases, crates and non-metal items

SUPPLIED AS

- Compact UHF inlay tags, ID-4211-KX2005
- For bins, tool cases, crates and cartons
- Give the quantity and what you are tagging with your quotation request

ORDERING

ID-4211-KX2005 — UHF RFID inlay tag, KX2005 chip, EPC Gen2, up to 6 m, compact and flexible.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	KX2005
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Gen2 / ISO 18000-6C
Read range	Up to 6 m; depends on reader, antenna and environment

SUPPLY	
Format	Compact inlay tag
Ordering	By quotation

TAG	
Model	ID-4211-KX2005
Type	Compact passive UHF inlay tag
Material	Thin, flexible substrate
Use on	Bins, tool cases, crates, equipment

ENCODING AND READING	
Encoding	UHF desktop reader / encoder or UHF RFID printer
EPC lock	Lockable after writing
Readers	Any EPC Gen2 UHF reader set to 865–868 MHz

PRODUCT VIEWS

The UHF inlay antenna



Tag a shelf of your stores.

Ask for a quotation with the quantity and what you are tagging: bins, tool cases, crates or equipment.

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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.