UHF RFID · AI RF TUNING · 4-PORT FIXED READER

# IHZ4AI

A 4-port reader that tunes its own RF, stores reads and posts them to your URL.

4 antenna ports | AI RF tuning | HTTP push | HDMI · keyboard · mouse | Wi-Fi · USB

## Set up by scenario, not by hand.

The **Identium IHZ4AI** is a fixed UHF RFID reader with four antenna ports for gates, shelves, production lines and race timing points. Built-in AI adjusts its RF parameters to the scenario, instead of you tuning each setting by hand.

It stores reads on board and pushes tag data straight to your HTTP URL, with no middleware PC. HDMI, keyboard and mouse let it run standalone on site; Wi-Fi, USB and relay options complete it.




**4** Antenna ports

**AI** RF tuning by scenario

**HTTP** Direct push to your URL

**HDMI** Monitor output on site

**Wi-Fi** Plus USB connectivity

WHAT IS INSIDE

## Tuning, delivery and a screen of its own

TUNE
### AI RF tuning

- Sports: tags crossing a line
- Shelf: static tags, read again
- Gate: tags passing a portal
- Inventory: stock in a zone

DELIVER
### Data straight out

- Direct push to an HTTP URL
- Inbuilt storage
- Built-in Wi-Fi and USB
- Suits cloud dashboards

OPERATE
### Standalone on site

- HDMI output for a monitor
- Keyboard and mouse input
- Set up and watch without a PC
- Relay options for a lamp

WHERE IT WORKS

## Where several read points run at once

**Race timing**
Sports and races

**Smart shelves**
Stock on shelves

**RFID gates**
Gates and portals

**Inventory**
Stock counts

**Factories**
Asset tracking

**Logistics**
Logistics centres

HOW IT WORKS

## From tag to your web application, no middleware PC

**Tags**
UHF tags on runners, shelf stock, cartons or assets

**Antennas**
Up to four UHF antennas, one per port and zone

**IHZ4AI**
AI-TUNED FIXED READER
- Pick the scenario
- AI adjusts the RF parameters
- Read tags on four ports
- Store reads on board
- Push tag data to your URL

**Your web app**
Cloud dashboard, timing or inventory system at your HTTP URL

**Standalone set-up**
Plug in a monitor over HDMI, plus a keyboard and mouse, to set up and watch the reader on site.

WHY THE IHZ4AI

## A reader that does its own set-up

**Tuned for the job**
AI adjusts the RF parameters for sports tracking, shelf management, RFID gates or inventory.

**Shorter commissioning**
Less hand-tuning of power and search settings, useful for teams without a dedicated RFID engineer.

**No middleware PC**
Tag data is pushed directly to an HTTP URL you choose, for cloud dashboards and web systems.

**Reads kept on board**
Inbuilt storage holds the reads on the reader itself.

**A screen on site**
HDMI output, keyboard and mouse: set up and watch the reader as a self-contained unit.

**Start with fewer zones**
Four antenna ports; start with the zones you need and add antennas as the site grows.

**Relay options**
Use the relay options to drive a lamp, buzzer or barrier at the read point.

**Wi-Fi and USB**
Built-in Wi-Fi and USB handle connectivity at the mounting point.

SCENARIOS

## What the AI tunes for

| SCENARIO | WHAT THE TAGS DO | TYPICAL SITE |
|---|---|---|
| **Sports tracking** | Fast-moving tags crossing a line | Race timing points |
| **Shelf management** | Many static tags read again and again | Smart shelves |
| **RFID gate** | Tags passing a doorway or portal | Warehouse gates |
| **Inventory** | Counting stock in a zone | Stock rooms |

*Antenna position and tag choice shape the final read performance: a site test confirms it.*

AT A GLANCE

- Adjusts its RF parameters to the scenario
- Runs standalone with HDMI, keyboard and mouse
- Pushes tag data straight to your HTTP URL

PLAN YOUR ORDER

- IHZ4AI fixed UHF RFID reader
- UHF antennas and cables for the ports you will use
- A monitor, keyboard and mouse if you run it standalone

ORDERING

| | |
|---|---|
| **IHZ4AI** | AI-tuned 4-port UHF reader, HTTP push, HDMI. |
| **IDTS-IHZ4** | 4-port reader with Wiegand, RS-485, RS-232 and APIs. |

SPECIFICATIONS

## Technical data

| READER | |
|---|---|
| Type | Fixed UHF RFID reader |
| Antenna ports | 4 |
| RF tuning | AI-based, by scenario: sports tracking, shelf management, RFID gate, inventory |
| Frequency | Set for the country of installation; India uses 865–868 MHz |

| DATA AND INTERFACES | |
|---|---|
| Data output | Direct push to an HTTP URL |
| Storage | Inbuilt |
| Display | HDMI output |
| Input | Keyboard and mouse |
| Interfaces | Wi-Fi, USB |
| Relay | Relay options |

WHICH READER?

## IHZ4AI or IDTS-IHZ4

| | IHZ4AI | IDTS-IHZ4 |
|---|---|---|
| **RF set-up** | AI tuning by scenario | Fine control: 0–33 dBm in 1 dB steps |
| **Data delivery** | Direct push to an HTTP URL | Direct post API; Java, .NET and C++ APIs |
| **Interfaces** | Wi-Fi, USB | RJ45, RS-232, RS-485, Wiegand, USB 2.0 |
| **On-site display** | HDMI, keyboard and mouse | Power and status indicators |
| **Relays** | Relay options | 3 inputs, 3 relay outputs |
| **Best for** | Teams that want the reader to handle tuning, display and delivery | Integrators wiring to controllers or writing their own software |

PRODUCT VIEWS

## The IHZ4AI







### Tell us the scenario.

Ask for a quotation with your scenario, zones, tags and country of installation, so we can confirm the frequency setting and antennas.

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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.*