

# TAGSYS UHF Tunnel 65x65



TAGSYS' rugged UHF tunnels are the ideal solution for reliably reading multiple RFID-tagged items passing through. Without requiring a visible line of sight or manual intervention, these powerful tunnels efficiently read RFID-tagged items whether stacked, bundled or in boxes. The tunnels incorporate a state-of-the-art patented RFID reader and internal antennas that automatically readjust for various configurations to provide a single turnkey RFID solution for item-level reading and tracking.

## **PRACTICAL ANSWER FOR MULTIPLE ITEM CHECK OUT**

TAGSYS UHF tunnel accurately detects RFID-tagged items as they pass through. With the ability to read and write RFID-tagged content in fast-moving containers, the TAGSYS UHF tunnel improves operational efficiencies in shipping and receiving by streamlining the item-counting and inventory verification process.

## **A COMPLETE RFID INFRASTRUCTURE**

TAGSYS UHF tunnels integrate easily with existing operational infrastructures and can be quickly adapted to most industrial settings. TAGSYS UHF tunnels come with a conveyor and associated automation systems. Together with our complete line of UHF tags and e-connectware™ software, our tunnels are an integral part of TAGSYS' complete RFID infrastructure.

TAGSYS develops comprehensive multi-band RFID infrastructure for item-level tracking. This universal infrastructure includes purpose-built readers and tags, as well as RFID management software, all designed to work together seamlessly, at the highest performance levels, in the most demanding environments.

With a proven track record of delivering reliable RFID systems, TAGSYS has deployed over 250 million tags and 100,000 reader systems to over 500 customers in more than 40 countries.

More information on TAGSYS can be found at: [www.tagsysrfid.com](http://www.tagsysrfid.com).



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## PRODUCT SPECIFICATIONS

### ELECTRICAL

#### **OPERATING FREQUENCY:**

865-868 MHz(EU version), 902MHz-928MHz (US version)

#### **PROTOCOLS SUPPORTED:**

Class 1 Generation 2 & ISO-18000-6C

#### **POWER SUPPLY REQUIREMENTS:**

220V 50Hz (EU version), 110V 60Hz (US Version)

#### **INTERFACES:**

Ethernet

#### **ELECTRICAL INTERFACES:**

External contact to Start / Stop the conveyer

#### **RFID READER:**

TAGSYS Medio™ RXU 400 multi-channel reader

#### **READING RATE:**

At least 99.95%

### MECHANICAL

#### **CASING:**

Stainless Steel

#### **EXTERNAL DIMENSIONS (WITHOUT CONVEYOR):**

90 x 90 x 120 cm (35.4 x 35.4 x 47 in)

#### **INTERNAL DIMENSIONS (WITHOUT CONVEYOR):**

65 x 65 x 120 cm (26 x 26 x 47 in)

#### **WEIGHT:**

80kg (176.37 lbs)

#### **WEIGHT WITH CONVEYOR:**

320kg (705 lbs)

#### **CONVEYOR LENGTH:**

7 meters (23 feet)

#### **CONVEYOR BELT TYPE:**

Robust PVC belt (easily washable)

#### **BELT SPEED:**

Up to 15 m per minute (50 fpm)

#### **OPERATING TEMPERATURE:**

10°C to 40°C (50° to 104°F)

#### **ADDITIONAL FEATURES:**

Rugged, well-shielded modules

TAGSYS' *e-Connectware™* RFID Management Software

RSSI embedded to reduce leakage (*e-Connectware* required)

Optical sensors to trig the reading

Three-color stack lights at tunnel entrance and exit for process control

Sensor at tunnel entrance and exit for item detection

Optional Touchscreen

### CERTIFICATION

FCC Part 15

CE

EN 302 208

EN 301 489

EN 60950

EN 50364

EN 50357