# NIMBLE TUNNEL RFID 2D

## MODEL #
NHTU-RF2D

## EXTERNAL DIMENSIONS (APPROX.)
**v1.2**
560 x 589 x 322 mm
22 x 23.2 x12.7 inch
**v1.3**
569 x 615 x 364 mm
22.4 x 24.2 x 14.3 inch

## WEIGHT (APPROX.)
60 LBS (Without mounting brace) – May vary based on internal configurations

## RECOMMENDED MAXIMUM CONVEYOR SPEED (APPROX.)
Up to 18 Meter / minute or 60 feet/ minute

Nimble Tunnel RFID 2D (Tunnel) is designed to mount on customer's existing conveyor systems in a manufacturing or distribution setting to provide item level carton scanning.

It is a perfect tool for the scanning of medical devices, pharmaceutical cartons, kits, document folders and any applications that need dense and fast automatic scanning of RFID tags. Tunnel can also be used for parent child association between tagged items and carton, serialization and association of metadata, inspection, work in progress (WIP) management, etc.

Optionally, the Tunnel can be outfitted with sensors to track entry and exit of cartons/ boxes. It can also be outfitted with barcode scanners to scan either 1D or 2D barcodes along with item level RFID tags.

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## ABOUT NIMBLE HUB

Nimble Hub is a market leader in RFID, barcode, machine vision, machine to machine (M2M), Internet of Things (IoT), Machine Learning products and services. The company designs, develops and manufactures intelligent solutions that help customers with their identification, serialization, tracking, compliance, end to end visibility, while providing robust Return on Investment (RoI).

# SPECIFICATIONS:

| | |
|---|---|
| RFID Protocol Support | GS1/EPCglobal UHF Gen2 (ISO 18000-6C) or RAIN RFID |
| Frequency Range | FCC 902 to 928 MHz. Optional support for other regions available |
| Typical Read Rate | 25 tags at 18 meter/min or 60 feet/min |
| Supported Barcode Types | 1-D omnidirectional barcodes and 2-D data matrix codes. |
| Power Requirements | 120 VAC , 15 Amps |
| Data Interface | RJ45 (10/100 Base-T Ethernet), |
| External Dimensions (Approximate) | 569 x 615 x 364 mm / 22.4 x 24.2 x 14.3 inch |
| Weigth (Approximate) | 27.2 Kg / 60 LBS (Without mounting brace) <br> May vary based on internal configurations |
| Temperature | Operating : 0°C to +40 °C <br> Storage : –10 °C to +60 °C |
| Humidity | < 95% non-condensing |

## Notes:

- Tunnel is meant for dry and clean indoor environments and not meant for outdoor, high vibration and impact conditions, extreme environmental conditions, wash down, wet or high humidity areas
- Do not lean or keep weight on top of Tunnel
- Non NEMA /non-UL rated enclosure. Optional UL/cUL Open Panel certificaiton available on request
- It is recommended to read only the 96 bits of the  EPC memory bank
- End user to ensure that carton/ box size is suitable to pass through the tunnel opening and that there is even spacing between each box entering the tunnel. It is recommeded to have atleast 4 inch spacing between boxes
- RF energy will radiate from the open ends of the Tunnel. End user to ensure proper isolation zone around the tunnel is designated. Isolation zone may vary from site to site as it is dependent on RF transmit power, antenna gain, several facility and infrastructure-based factors such as metallic structures, RF reflective surfaces, etc

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