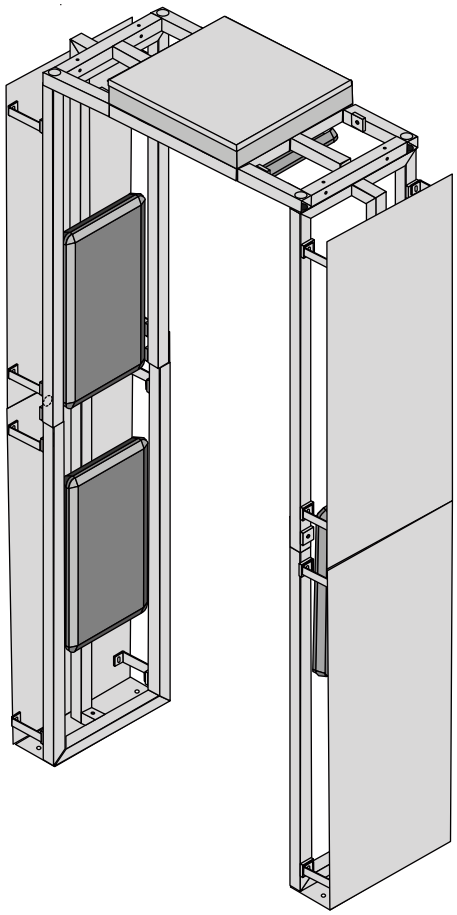
2TRACE

# PORTAL

## UHF RFID Portal for Automated Cart & Textile Tracking



The 2Trace UHF RFID Portal is a customizable reader and antenna solution engineered to track carts and textiles fitted with RFID-enabled tags with long-lasting, accurate performance.

**High-Performance Reading:** Powered by Impinj R700 RFID Reader and four versatile antennas, the system reliably scans RFID tagged carts and inventory at normal walking speeds - achieving up to a 99.5% read rate.

**Industry-Optimized:** Designed specifically for delivery and collection points across commercial laundries, depots, and end-customer facilities.

**Versatile Framing:** Features a highly adaptable frame with customizable dimensions to easily fit almost any door, gate, or opening.

**Smart Architecture:** Equipped with an electronical box for almost hidden wiring and framing to protect the antennas for bumps when carts passing through.

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|---|---|
| **Physical Dimensions (External)** | 2350 x from 1420 to 2620 x 430 mm (H x W x D)<br>92.52 x from 55.9 to 103.15 x 16.93 inches (H x W x D) |
| **Physical Dimensions (Internal)** | 2200 x from 1120 to 2520 mm (H x W)<br>86.61 x from 44.09 to 99.21 inches (H x W) |
| **Weight** | 90 kg / 198.4 lbs |
| **Materials** | Steel |
| **Color** | Grey (RAL7035) |
| **Antennas** | Kathrein WRA 3070 |
| **RFID Reader** | Impinj R700 |
| **RFID Technology** | RAIN RFID |
| **Operating Frequency** | 865-868 MHz (ETSI) |
| **Communication Interface** | Ethernet 10/100, auto-negotiate, auto cross-over |
| **Transmit Power** | 5 dBm to 31,5 dBm |
| **Power Supply** | 230V AC, PoE+ Injector |
| **DIN Rail for power distribution RCBO Combi Relay**<br>**Trip Characteristic**<br>**Trip Current**<br>**Power (source)** | Malmbergs 2160551<br>Class C<br>30 mA<br>230V (max 10A) |
| **Remote Power I/O Relay (Optional)**<br>**Communication Interface**<br>**Communication Platform**<br>**Power Supply** | Shelly 4PM Pro<br>Ethernet 10/100, auto-negotiate, auto cross-over<br>Shelly Cloud Service or via local network interface<br>230V AC (Max 16A) |
| **Operating Temperature** | 0 to 55 °C (32 to 130 °F) |
| **Storage** | -20 to 70 °C (-4 to 158 °F) |



For information regarding your nearest representative, please visit www.2trace.com
Technical specifications are subject to change without prior notice.
The product adheres to CE and FCC regulations.
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