

H-BEP-003X Industrial RFID Portal

The Absolutely Resilient UHF RFID Portal

The H-BEP-003X (single or double sided) RFID Portal has been designed to provide a solution for effectively controlling doors, gates or other enclosed areas and is comprised of a highly rugged package with a heavy-duty, robust construction suitable for use in rough indoor or outdoor industrial environments under any climate conditions

Description

The H-BEP-003X houses an Alien ALR-9900+ Gen 2 RFID Reader and 2 to 4 Alien antennas (depending on if it is single or double sided), which enables the continuous monitoring and recording of RFID enabled objects (e.g. pallets, boxes, fork lift trucks, etc), as they move in and out of Production Areas, Distribution Centers, Warehouses, Outdoor Storage Areas, etc.

Fast & Easy Installation

Despite its robust and resilient indoor / outdoor design, the H-BEP-003X is truly easy to install and maintain. The hermetically sealed (via secure locks) access door allows the maintenance personnel to open and service / install the portal within minutes. It also caters for unhindered, easy access to the reader and its antennas in order to readily retune and adjust their settings so as to achieve the desired RF footprint and operating performance.

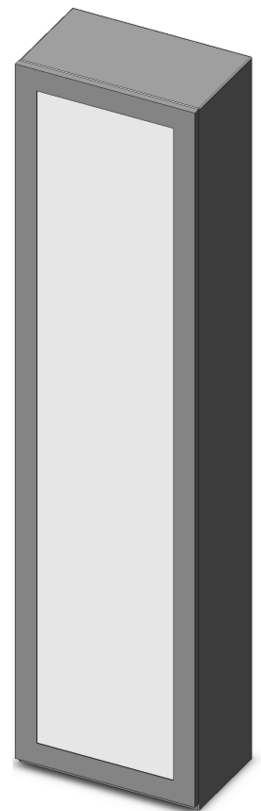
The H-BEP-003X is a truly plug-and-play device which:

- Can be easily integrated with third party applications through a comprehensive **Application Programming Interface (API)**
- Can form part of an integrated system through the **Business Effect RFID Software Suite**, the comprehensive range of shrink-wrapped RFID enabled applications that bridge the gap between RFID based data collection hardware and central enterprise systems (ERP, WMS, CRM, etc)

Main Characteristics & Features

The H-BEP-003X has been engineered to be totally integrated with the Alien ALR-9900+ reader and the respective Alien Antennas. The internal antenna adjusting capabilities allow the installer to enhance and tune the RF field, thus making its footprint more specific and the portal easily adaptable to different conditions and applications.

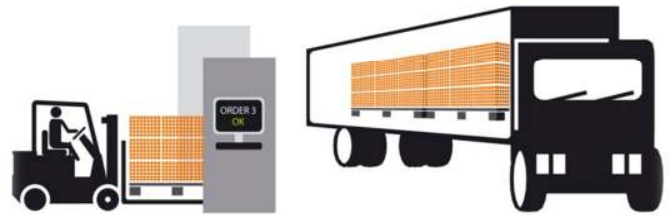
- Robust and resilient construction - snow and rain proof
- Can be built to order with customizable dimensions to meet special customer needs & requirements
- Internal floor mounting holes and small footprint
- Integrated digital I/Os and power supplies
- Rotating antennas for directional tag interrogation
- Movable antennas in horizontal and vertical axes
- Special design for enhanced RF footprint



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Optional Features

- Signals: 1 or 3 color light stack, horn for sound alarm
- Communications: WiFi connectivity
- Sensors: Presence & limit sensors
- Protection: Metal protection bumpers



Technical Specifications

- Ext Dimensions (HxLxW): 200 x 50 x 30 cm (standard)
- Power Requirements: 220V AC, 1A, 50Hz
- Internal Power Supply: 24V DC (optional)
- Operating Temperature: -20°C to +50°C
- RFID reader: Alien ALR-9900+ Enterprise RFID Reader, EPC Gen 2, ETSI compliant
- Antennas: ALR-8610-AC circular polarized, 5.5 dBiL
- Communications: Serial (RS-232), Ethernet LAN (DHCP, TCP/IP)
- General Purpose I/Os: 4 Inputs - 24V max, 8 Outputs optical isolated – 0,5A max.



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