

Smart Portal

Decorative Series



Attractive, Four Antenna, RFID Portal System with Middleware

Benefits:

- The only portal that includes all RFID hardware and middleware
- No recurring licensing fees
- No mandatory maintenance fees
- Integrated solution reduces installation costs

Features:

- Includes 4 antennas adjustable up to +/- 12° pitch and skew
- TCP/IP Server, HTTP1.1 Client, or RS-232 communications for direct connection to infrastructure
- Easy mounting to walls and ceilings with multiple mounting options
- Sleak form factor (36 in x 12 in x 2.75 in)
- Light weight (14 lbs)
- Low voltage and Power-Over-Ethernet enabled
- Optional audio/visual indicator
- Durable steel frame provides rear RF shielding



Decorative RFID Smart Portal
(SP-DDP-1)

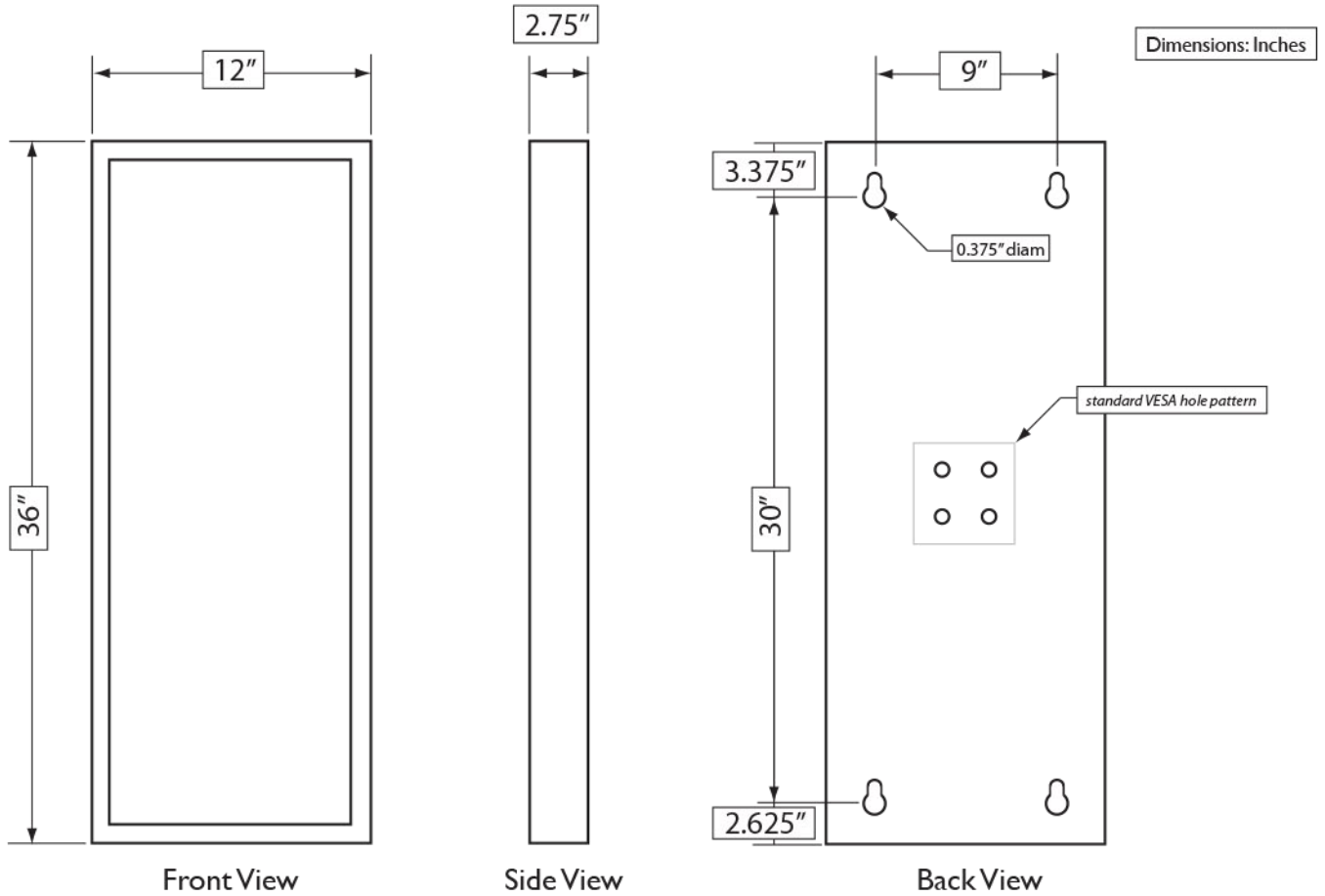


Available Form Factors

- **Deluxe Panel (SP-DDP-1)** - an attractive, visible detection device designed to compliment your décor with selectable face insert options. Examples include a wood-grain finish, a poster, instruction signs or any other artwork.
- **Stealth (SP-DST-1)** - uses artwork to mask the device identity where in-wall concealment is not practical. Artwork, customizable to your taste, completely conceals the box hanging on the wall.
- **Covert (SP-DCV-1)** - allows for in-wall concealment and provides no visible indication of the detection device location. This unit embeds inside your walls.

Overview

The Element ID RFID portals are the only fully integrated hardware and software solutions on the market. With a variety of form factors to choose from, they are as attractive as they are technologically advanced. The solution includes the reader, antennas, enclosure, and all the middleware required for an RFID data collection point. The portals reduce installation cost and time because they ship preassembled and with a variety of easy to use mounting options. The product is easy to setup and install and predefined "Personalities" can be used in large deployments to assure that all units are set the same with minimal time and effort. The product is built in the USA and can be customized to specific applications.



Specifications

Electrical

RFID Frequency	902-928 MHz (UHF - EPC C1G2)
Supported Tags	EPC Class 1-Gen 2
RF Output	1W FCC Part 15 Compliant
Ethernet Comm.	10/100 Mbps, Raw TCP/IP Server, HTTP1.1 Web Server Client
Serial Comm.	RS-232
General Purpose I/O	Two in, two out (standard)
Power Consumption	12 Watts
Power Requirements	12 to 24V DC (external power supply) Power over Ethernet IEEE 802.3af
Temp. Rating	Operating: +32° to +122° F (0° to 50° C) Storage: -4° to 158° F (-20° to 70° C)
Relative Humidity	10% to 90% non condensing

Mechanical

Dimensions	36 in x 12 in x 2.75 in
Weight	14 lbs
Frame	Black power-coated steel
Cabling	Conduit punchouts (top and bottom) 2 inch diam. feed-through hole (back)
Mounting	4-keyhole surface mount, VESA mount

Other

Antenna Dimensions	5.6 in x 5.6 in
Antenna Gain (Quantity: 4)	6 dBic Circularly polarized
Serial Connectors	9-Pin D-Subminiature (Female) Micro-USB, Type-B (Female)
Power Connector	2.1 mm Barrel Connector



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