

Remote I/O RF EXPANSION BOARD

ACCESS CONTROL

Product code: **SEB-721**

Expand for remote access



KEY FEATURES

- On-board RF receiver.
- Can utilise up to 4 buttons.
- Transmitters can be uniquely linked to an individual.
- Robust system for parking areas.
- 16 units can be connected per door controller.
- Robust RS-485 controller communication.
- 4 Digital Inputs.
- 2 Relay Outputs (Potential free/Powered output).
- Rotary coded address switch for easy addressing.

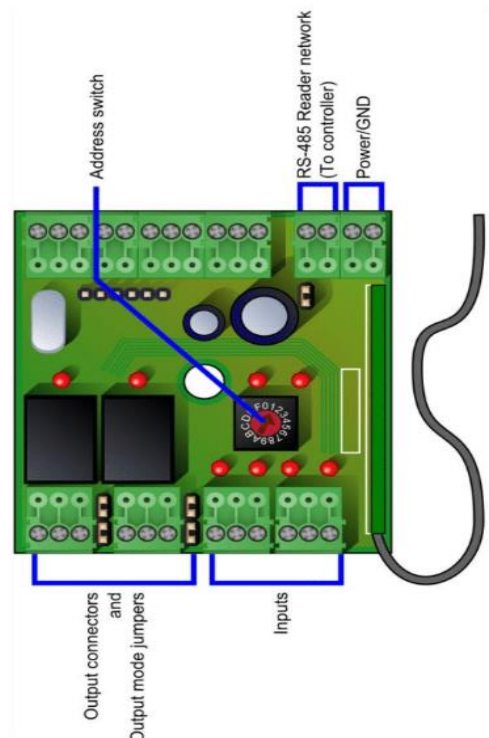
The **SEB-721 Remote I/O RF Door Expansion Board** is a cutting-edge device that boasts Input and Output capabilities and utilizes code-hopping 433MHz RF remotes. With the capacity to use up to 4 buttons on a single remote, each button can be allocated to perform a different function. Featuring 2 relay outputs and 4 programmable digital inputs, this device is incredibly versatile.

Employing remote control access instead of proximity card or biometric readers provides greater flexibility, particularly for scenarios where access points don't provide adequate weather protection. Remotes are allocated to users in the same way as normal RF tags or biometric templates in SACS. Furthermore, remote management from SACS enables scheduling, anti-passback, and zone control capabilities.

The SEB-721 Remote I/O RF Door Expansion Board records transactions, improving upon typical gate remotes where no transactions are logged.

This device can support up to 30,000 or more remotes and can control up to 4 access points, making it the perfect solution for organizations seeking a high-performance security solution.

Board Diagram



The Expansion Board incorporates an on-board RF module that is used as a reader for code-hopping or rolling-code RF remotes. It also serves as a solution to prevent voltage loss of a remotely located door's I/O and can also function as a remote connection point for additional I/O.

It is connected to the RS-485 Reader Network and can be used in conjunction with various devices such as **RS-485 Proximity Readers (SSR-201)**, **Wiegand to RS-485 Converter Boards (SSI-302-W)**, and other **SEB-721 Remote I/O RF Door Expansion Boards**.

Addressing the device is simple by utilizing the rotary address switch. Address 0 to 15 is available (A to F is the same as 10 to 15).

Each receiver channel will be recognized on the system as a different reader. This means that channels 1 to 4 can be configured in the SACS software as separate slave readers to the SEB-721.

PRODUCT SPECIFICATIONS

Power requirements

Operating Voltage (DC)	12Vdc
Maximum Current(with Externally Powered outputs)	50mA

Environmental characteristics

Operating Temperature	0°C to +70°C
Storage Temperature	-10°C to +80°C

Inputs

Input Type	Digital
Typical Input Voltage	0 to +12Vdc
Maximum Input Voltage	-12Vdc to 36Vdc
Maximum Input Current	7,3mA

Outputs (NB: Do not exceed the contact ratings listed or damage to the expansion board will occur)

Output type	Relay
Maximum voltage (AC)	250Vac
Maximum voltage (DC)	220Vdc
Maximum current	2A
Recommended maximums (Single Relay)	850mA at 30Vdc
Maximum switching current (inductive)	500mA