

## Apollo ASP-RI2M Downstream Reader-Interface Board (2 Readers, 6 Supervised Inputs, 4 Outputs)

The ASP-RI2M is the next-generation, downstream reader-interface board. It is a low-profile, PoE+ device that can be installed near or at the door. It features 2-door control with two combo TTL / OSDP reader ports, six supervised inputs, and four relay outputs. The ASP-RI2M communicates with the controller over a serial or network connection. Support of Offline Modes enables access control functionality and event reporting even when not communicating with the controller.

### Notable Features

- ▮ **FULLY ENCRYPTED COMMUNICATIONS**
  - > Whether network or serial, communication to Apollo controllers is secure
- ▮ **2 READER PORTS**
  - > Both reader ports connect either TTL (Weigand etc.) or RS485 (OSDP) readers
  - > Supports paired readers
- ▮ **6 FLEXIBLE ALARM INPUTS**
  - > Supervised or Unsupervised
  - > Supports pre-defined standards and custom input-supervision values
- ▮ **4 RELAY OUTPUTS**
  - > Configurable pulse/activation times
- ▮ **LED STATUS & DIAGNOSTICS**
  - > LEDs for all onboard activity, hardware interface statuses, & visual diagnostics
- ▮ **MULTIPLE ASSEMBLY OPTIONS**
  - > Ethernet / Serial only
  - > PoE+

### Competitive Edge

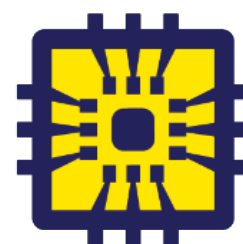
- ▮ **HIGH-PRECISION ALARM INPUTS**
  - > Supervised Input circuitry is designed with application-specific components to maintain stability and reliability in even the most extreme conditions
  - > A combination of software and hardware filtering suppresses noise and eliminates false alarms
- ▮ **ENERGY EFFICIENT**
  - > Low power consumption compared to other panels with similar hardware interfaces
- ▮ **OFFLINE OPERATION**
  - > Local, logical linking of Inputs and Outputs that can operate without involving the controller
  - > Offline Modes allow for access control functionality when not communicating with the controller
- ▮ **OSDP DEVICE**
  - > OSDP communication to the controller with proprietary enhancements
  - > Supports OSDP Secure Channel with custom certificates
- ▮ **INDUSTRIAL OPERATING TEMPERATURE (-40°C to +85°C)**
- ▮ **PoE+ OPTION**

### Security

- ▮ OSDP Secure Channel
- ▮ AES 128/256
- ▮ Encrypted firmware

### Regulatory

- ▮ CE Compliant
  - > EN 61000-6
  - > EN 50130-4
- ▮ FCC Part 15 Class A
- ▮ RoHS



## POWER

- ## GENERAL INFORMATION

- ## ONBOARD HARDWARE INTERFACES

- ## PRODUCT OPTIONS

Model	SKU	Description
ASP-RI2M-P	422601	RS-485 Serial communication with Ethernet and PoE+
ASP-RI2M-N	422602	RS-485 Serial communication with Ethernet
ASP-RI2M	422603	RS-485 Serial communication

## SYSTEM DIAGRAM

