



## Apollo Security ASP-4

### High-Speed, 4-Reader Network Controller

#### (4 Reader Ports, 16 Supervised Inputs, 8 Outputs)

The high-performance ASP-4 is an open-hardware architecture, clustering network controller that fully supports up to four doors. The ASP-4 is open for integration with access control software solutions via intuitive SDKs across multiple languages. The ASP-4 fully leverages the embedded Linux™ OS to offer groundbreaking features like 3<sup>rd</sup> party application support. Communication is encrypted end-to-end (from host down to reader), firmware is encrypted, and user certificates are supported.

### Notable Features

- ▶ **OPEN HARDWARE PLATFORM**
  - > SDK allows for hardware integration into any host software solution
- ▶ **FULLY CONFIGURABLE HARDWARE INTERFACES**
  - > Onboard interfaces support 4 doors using TTL or RS485 (OSDP) readers, or up to 8 doors using RS485 readers with expanded licenses
- ▶ **HOST-TO-READER ENCRYPTION**
  - > All communications between any two points in the Apollo hardware topology can be encrypted, whether network or serial
- ▶ **RAPID DOWNLOAD SPEEDS**
  - > Performance of up to 10K cards per second
- ▶ **EMBEDDED LINUX™ OS**
- ▶ **BIOMETRIC TEMPLATES STORED ONBOARD**

### Competitive Edge

- ▶ **NETWORK CLUSTERING**
  - > Unparalleled system redundancy by clustering up to 32 controllers together
- ▶ **OEM / 3<sup>rd</sup>-PARTY DEVELOPED & INSTALLED APPS**
  - > Applications can be easily developed & installed without involving the manufacturer to run in an onboard, containerized environment
- ▶ **ASYNCHRONOUS COMMUNICATIONS**
  - > Events are sent to the host in real time, without polling
- ▶ **SCRIPTING**
  - > Without modifying firmware, user-created scripts can be run locally to modify logic, create conditional actions, manage events, and manipulate interfaces
- ▶ **UPGRADABLE**
  - > Connect up to 16 OSDP readers with upgradable licenses
  - > 1GHz CPU module with upgradable memory options
- ▶ **INDUSTRIAL OPERATING TEMPERATURE (-40°C to +85°C)**

### Security

- ▶ OpenSSL
- ▶ TLSv1.2 AES256-SHA256 with TLS Server/Peer certificate checking
- ▶ OSDP
- ▶ FIPS 201-2
- ▶ SSCPv2; Meets ANSSI encryption requirements
- ▶ Firmware upgrades are signed and encrypted
- ▶ CAC
- ▶ TWIC

### Access Control Features

- ▶ Anti-Passback
- ▶ Threat levels
- ▶ Use Limits
- ▶ N man rule
- ▶ Occupancy Management
- ▶ Visitors and Escorts
- ▶ Elevator Control (Up to 128 floors)
- ▶ Host-Controlled Access Request
- ▶ Duress Code
- ▶ Keypad with flexible pin lengths
- ▶ Supported reader types:
  - > OSDP
  - > Wiegand
  - > Clock & Data
  - > SSCPv2
  - > FIPS 201 PKI-based card and legacy types
  - > Biometric

