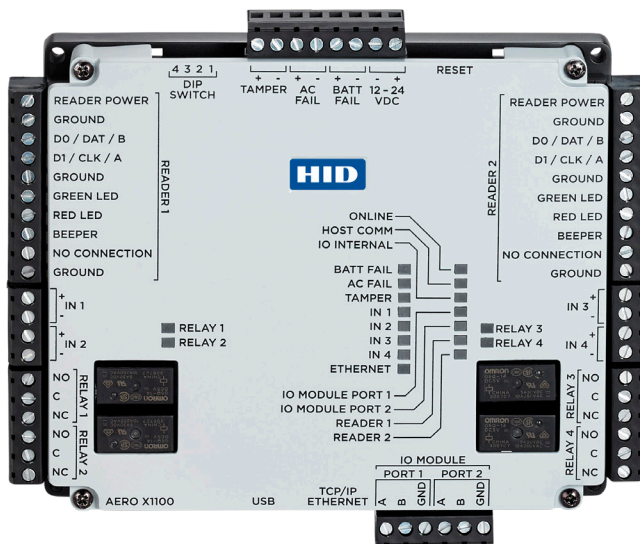


VIDIX CONTROL

Access Control for Every Facility



AXX-X1100

INTELLIGENT DOOR CONTROLLER

Intelligent Controller Supporting Up To 2 Doors Locally And 64 Readers In Total Using Expansion IO Modules

STANDARD FEATURES

The intelligent door controller AXX-X1100 provides on-board IO support for up to two access points and two (Wiegand) or four (OSDP) readers. Four robust relays provide door lock and auxiliary output control while seven supervised inputs are used to monitor door status, REX, power supply, battery, tamper and general-purpose inputs status, all supporting analog-to-digital conversion.

- **OSDP Reader Support:** Increases security and functionality with secure channel and bi-directional communication
- **Robust Network Security:** Supports mutual authentication using TLS 1.2 while running in a FIPS 140-2 approved operating environment on the intelligent controller
- **IO Module Encryption:** Enhances security between intelligent controller and IO modules with AES-256 encryption
- **Crypto Chips:** Protects against malicious attacks to keep keys and passwords safe
- **Threat Levels:** Define up to seven different threat levels that are used to instantaneously adjust user access during lockdowns and lockouts

Technical Specifications

AXX-X1100

CREDENTIAL CAPACITY	250,000
ACCESS LEVELS	32 per credential (per reader schedule)
ON-BOARD ACCESS POINT CONTROL	Up to 2 access points with on-board IO
ON-BOARD READER SUPPORT	Up to 4 (OSDP multi-drop) or 2 (Wiegand) with on-board IO
INPUTS	7 supervised/unsupervised, standard EOL: 1k/1kΩ 1%, 1/4 watt
OUTPUTS	4 Relays, Form-C with dry contacts
RELAY CONTACT RATING	5A/3A (NO/NC) @ 30 Vdc resistive
MAXIMUM ACCESS POINTS	64 (using X100 or V100 IO modules)
MAXIMUM READERS	64 (OSDP or Wiegand, regardless of IO module configuration)
MAXIMUM INPUTS	615 (using X200 or V200 IO modules)
MAXIMUM OUTPUTS	388 (using X300 or V300 IO modules)
NUMBER OF IO MODULE BUSES	2 (each dedicated to either Aero or VertX IO modules)
MAXIMUM AERO IO MODULES	32; each IO Module bus can support up to 32 Aero modules
MAXIMUM VERTX IO MODULES	32; each IO Module bus can support up to 16 VertX modules
INPUT VOLTAGE	12 to 24 Vdc +/- 10%
MAXIMUM INPUT CURRENT	1.9 A (550mA excluding readers and USB)
ETHERNET COMMUNICATION	10BaseT/100Base-TX
IO MODULE COMMUNICATION	2-wire RS-485, 2400 to 115K BPS, asynchronous
NORMALLY CLOSED CONTACT RATING	3 A @ 30 Vdc resistive
READER POWER	12 Vdc +/- 10% regulated, 500 mA maximum each reader
LED OUTPUT (WIEGAND)	Open Collector, 12 Vdc open circuit maximum, 40 mA sink maximum
BEEPER OUTPUT (WIEGAND)	Open Collector, 12 Vdc open circuit maximum, 40 mA sink maximum
OPERATING TEMPERATURE	32 to 158 F (0 to 70 C)
HUMIDITY	5 to 85% RHNC
STORAGE TEMPERATURE	-67 to 185°F (-55 to +85°C)
DIMENSION	6.46" x 5.51" x 1.02" (164 mm x 140 mm x 26 mm)
WEIGHT	352 g 12.4 oz

CERTIFICATES

Certification: FCC Part 15 Subpart B, CE, BSMI, IC, AS/NZS, TCVN, KCC
 Safety: UL-294, IEC 62368-1, CB Scheme
 Hazardous Substances: RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65
 Security: NIST Certified Encryption