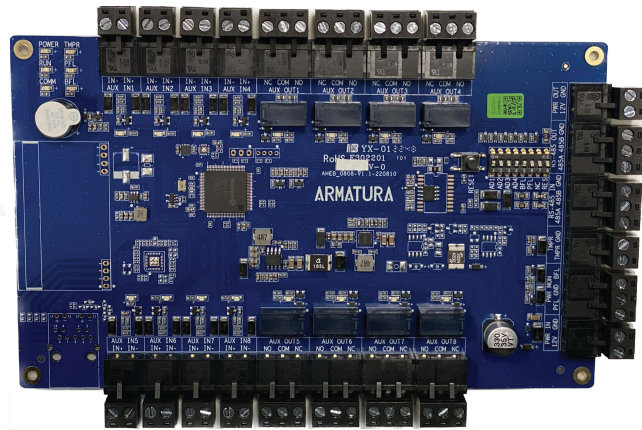


AHEB-0808 IO Board

- 8 Supervised Input/Output Relays
- Scalability
- 3rd Party Interoperability



Key Features

Advanced Security

AHEB I/O boards can communicate with Atlas & C3/InBio Pro panels through OSDP V2.2 over RS-485. The communication is secured with AES128/TLS 1.2 (with AES256) encryption. Communications are protected by HTTPS/TLS1.2 (AES256) or above. Enhanced encryption levels are provided by an additional crypto chip (Certified EAL6+ standard), offering dedicated storage

Innovative System Management Hierarchy

The AHEB series IO board can be monitored and updated through encrypted RS-485 communication. It supports communication with the Atlas Series as well as the Pro Series panels. Support for Armaturo One & Cielo365.

Supervised Inputs

The AHEB IO board series is equipped with 4 state-supervised inputs, designed to mitigate short-circuit attacks effectively. These inputs can detect abnormal changes, even as low as 5% Ohms in the circuits, and efficiently filter out all potential attacks. Isolated microchips independently manage REX inputs and dedicated fire alarm inputs, ensuring their uninterrupted functionality

3rd Party Integration

The AHEB series supports various relay inputs and outputs, making it suitable for a wide range of security devices. RESTful APIs are available for seamless integrations with 3rd party software & hardware.

Universal Voltage

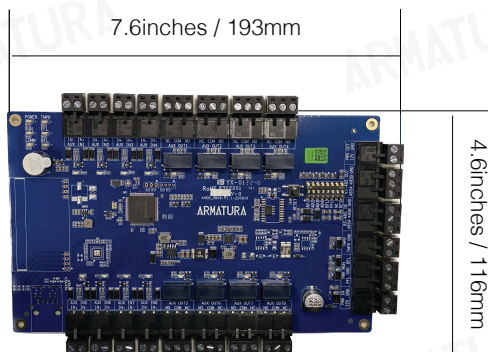
Supports 9 to 24Vdc inputs making it the ideal choice for universal deployment, eliminating the need for additional power adapters.

Programmable Input States with Time Zone Management

The AHEB series offers supervised and programmable input states, including In-Active, Active, Short, and Open. Users can easily configure these input states and input time through the Atlas web application & with support for Armaturo One & Cielo365.

Note: The AHEB-0808 is not a reader-expansion module and does not support Wiegand or OSDP reader interfaces.

Dimensions of Expansion Board



AHEB-0808

General Information	
	AHEB-0808
Primary Power	12 - 24 VDC \pm 20%, 550 mA maximum
RS-485 Connectivity	Output: RS-485 standard / OSDP V2.2 (Dedicated for AHSC-1000/ AHDU series controller communication) Input: RS-485 Input standard / OSDP V2.2 (Dedicated for AHEB series IO expansion board communication)
Number of Ports	1*RS-485 8*supervised input (AUX IN) 8*relay output (AUX OUT) 1* power Input (PWR IN) 1*power output (PWR OUT) 1*power detection (AC Fail) 1* backup battery detection (BAT Fail) 1*tamper input (TMPR)
Inputs	4 state supervision, resistor values (5% tolerance), Normally open contact: use 1.2k, 2.2k. 4.7k or 10k/ Normally closed contact: use 1.2k, 2.2k. 4.7k or 10k
Outputs	8 relays, 8* Form-C with dry contacts

AHSC/ AHDU Interface	
	AHEB-0808
RS-485 Protocol	12 - 24 VDC \pm 20%, 550 mA maximum
OSDP Mode	9600-115200 bps, OSDP V2.2, asynchronous, half-duplex, 1 start bit, 8 data bits, and1 stop bit. Maximum cable length: 2,000 ft. (609.6m)
Data Inputs	OSDP supported. Maximum cable length: 500 ft. (152m)

Cable Requirement	
	AHEB-0808
Power & Relays	12 - 24 VDC \pm 20%, 550 mA maximum
RS-485 Port	9600-115200 bps, asynchronous, half-duplex, 1 start bit, 8 data bits, and1 stop bit. One twisted pair with drain wire and shield, 120 ohm resistance, 22-18 AWG, Maximum cable length: 3937ft (1200m)

Mechanical

AHEB-0808

Dimensions

7.6" W x 4.6" L x 0.7" H (193 x 116 x 17.5mm)

Weight

5.8oz (165.3g)

Mounting

Wall Mount

Environmental

AHEB-0808

Temperature

-22°F ~ 158°F (-30°C~70°C), Operating & Storage

Humidity

0-95%RHNC

Certification(s)

CE, FCC, RoHS, UL294

Security Rating

Data Storage Encrypted with Certified EAL6+ Crypto Chipset

Software Interface

AHEB-0808

Supported Software

Armatura One Security System, Cielo365 (coming soon)

ARMATURA

Address: 190 Bluegrass Valley Parkway, Alpharetta, GA 30005

Phone: + 1 (470) 816-1970

Email: sales@armatura.us

Website: www.armatura.id

Copyright © 2023 Armatura LLC @ ARMATURA, the ARMATURA logo, are trademarks of Armatura

