

Horizon Series ENC1A & B/ ENC2A & B

Professional-grade Enclosures for
Controllers and Expansion Boards



ENC1



ENC2

Integrated Armatura Backplane

Each enclosure is equipped with an integrated Armatura backplane, specifically designed to be compatible with all Armatura controllers and expansion boards. This functionality simplifies the installation process and optimizes system connectivity.

Durable Steel Enclosure

Crafted from SPCC/ ST12 cold-rolled steel, the enclosure provides robust durability and superior protection against various environmental challenges.

Strategically Placed Knockouts

The enclosure includes multiple knockouts located on the top, side, and bottom, offering versatile options for conduit installation and efficient cable organization.

Broad Antenna Connectors

Three antenna connectors are conveniently positioned on the top of the enclosure, enabling seamless WiFi (5GHz & 2.4GHz) and Bluetooth (BLE5.2) connections

Visible LED Indicator

Includes LED indicators on the front panel for immediate visual confirmation of the system's operational status.

Advanced Security Features

For enhanced security, the enclosure is fitted with a cam lock to restrict access. A tamper switch is also included to trigger an alarm if any unauthorized tampering occurs.

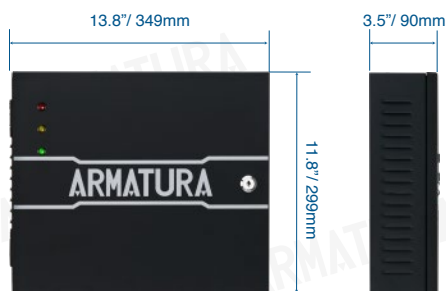
Provision for Battery Accommodation

The enclosure is designed to comfortably house a 12V, 7.2Ah/ 20HR battery, ensuring a consistent and reliable power supply for the access control system.

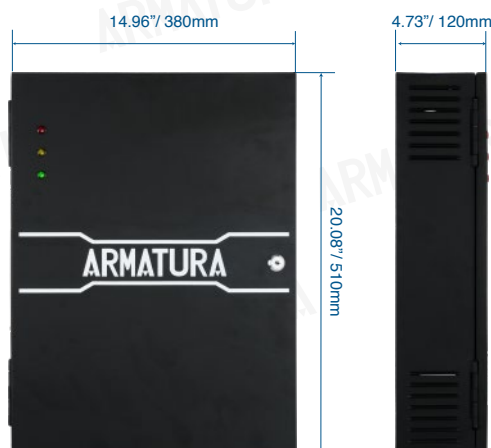
Optional Power Supply Units

The enclosure provides the option to incorporate either Armatura professional power supplies or 3rd party professional power supply units. This flexibility allows for a reliable and efficient power source tailored to the unique needs of your access control system.

Dimensions



Horizon Series - ENC1A & B



Horizon Series - ENC2A & B

General Information

	ENC-1A	ENC-1B	ENC-2A	ENC-2B
Power Supply Unit	N/A Suggested 3rd Party Power Supply Model*: PMU-13V155WCCA@90-132Vac	Output: 13.7Vdc@4.5A Input (Charging): 13.7V/0.5A,47-63Hz, Working Temp: -4~131°F(-20~55°C) StorageTemp: -40~176°F(-40~80°C) Working Humidity: 10%~95% Cert: CE, FCC, RoHS	N/A Suggested 3rd Party Power Supply Model*: PMU-13V155WCCA@90-132Vac	Output:13.8Vdc@9.5A Input (Charging): 13.3V/1.5A,50-60 Hz, Working Temp: -4~158°F(-20°C ~+70°C) StorageTemp: -40~176°F(-40~80°C) Working Humidity: 5%-95% Cert: CE, FCC, RoHS
Visual Indicators	AC input and DC output LED indicators (Red & Green)			
Backup Battery	N/A, Suggested 3rd Party Backup Battery Model**:12V, 72Ah/20HR			
Wi-Fi Antenna Port	1*2.4GHz Wi-Fi (IEEE802.11ac, SMA Female) 1*5GHz Wi-Fi (IEEE802.11n,SMA Female) At the Top of the Enclosure			
Bluetooth Antenna Port	1*2.4GHz BLE5.2 (SMA Female) At the Top of the Enclosure			
Number of Knockouts	Top: 6pcs (1" diameter) Bottom: 6pcs (1" diameter)		Top: 4pcs (1" diameter) Left: 5pcs (1" diameter) Bottom: 4pcs (1" diameter)	
Max. Support Boards	1		2	
Certifications	CE, FCC, RoHS, UL294 (coming Soon)			
Compatabile Devices	AHSC-1000, AHDU Series, AHEB Series			
Casing Material	SPCC/ St12 standard Cold-rolled Steel			
Enclosure Dimensions	13.8"W x 11.8"H x 3.5"D (349mm x 299mm x 90mm)		14.96"W x 20.08"H x 4.73"D (380mm x 510mm x120mm)	
Power Supply Unit Dimensions	4.33"W x 3.07"H x 1.42"D (110mm x 78mm x 36mm)		7.01"W x 3.82"H x 1.50"D (178mm x 97mm x 38mm)	
Backup Battery Dimensions	7.68"L x 3.94"W x 5.12" H (195 x 100 x 130mm)		7.68"L x 3.94"W x 5.12"H (195 x 100 x 130mm)	
Weights	5.67lbs (2570g)	6.22lbs (2820g)	12.9lbs (5850g)	14.01lbs (6350g)

*This is a recommendation only. Users should consider their actual deployment scenarios to select the power supply device that best suits their needs.

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A decorative geometric pattern in the top left corner, consisting of several triangles in shades of green and grey.

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