# AC-170NET

*Advanced Scalable Networked Access Controller (4 readers)*

The AC-170NET is a dual door networked access control unit. The AC-170NET is the basic of a large scaled security system that could handle up to 20.000 users, 100.000 network events and an unlimited amount of panels. The AC-170NET could be easily combined with the Conas range of RFID proximity, Pin & Prox, Smartcard, Pin and biometric readers. The AC-170NET offers a modular and expandable solution for commercial and institutional applications. The units can be programmed and adjusted with the flexible and powerful Conas PC application.

## GENERAL INFORMATION

The AC-170NET is suitable to support applications up to 20.000 users , 100.000 network events and an unlimited amount of panels (TCP / IP based).

All the Conas Access Control Units (ACU) offer a modular design to allow the maximum flexibility to expand the systems in the future to support growing enterprises.

The AC-170NET Access Control Units (ACU) supports 4 readers (In/Out). Multiple formats could be used, including the standard Wiegand 26-bit! It also supports card readers with HID, EM, Mifare and Motorola protocol. The AC-170NET could also be used to control two doors separately.

Each AC-170NET units comes in a mountable and lockable metal enclosure integrated with a transfer, power supply/charger, sounder, controller board & backup support for external batteries.

The AC-170NET is using an onboard TCP/IP Network port (10/100M, RJ45) that could be used to connect to a client/server PC with Microsoft Windows 7 / 8 / 10 / 11 operating systems. Please install the included client software on the computer to connect to the system to be able to program it.

## MAIN FEATURES

- Up to 20.000 Users with adjustable access rights for each door;
- Up to 100.000 Event records;
- Supports 4 freely configurable readers;
- Supports Wiegand 26 Bit readers and card readers with Motorola, HID, EM, Mifare protocol;

- Supports 4 inputs, 4 outputs. Expandable to 8 inputs and 8 outputs with the AC-IOM14 & AC-IOM44;
- Comes in pre-installed enclosure including a transformers, dual power supply / charger;
- Fast Memory prevents for data loss;

## PRODUCT SPECIFICATIONS

| Technical Specifications | |
|---|---|
| Users: | Up to 20.000 Users |
| Event log: | 100.000 Events |
| Inputs: | 4 supervised inputs, expandable with AC-IOM14 & AC-IOM44 Modules. |
| Readers: | 4 Wiegand 26 Bit readers with LED Control, 4/6/8 bit Keypad transmission support. |
| Keypad: | Card & Password, Supervisor Password |
| Door Open Settings: | 1-600 Seconds (Adjustable) |
| Open and close door for long time: | Supported |
| Open door by PC client: | Yes |
| Connection: | TCP/IP |
| Network: | Maximum of 256 Access Control Units (ACU) |
| Indication LED's: | 2 Power supply LED's and 7 on-board LED's to indicate the power status, communication status and it shows which doors are unlocked. |
| Inter Block: | Yes |
| Alarm open doors (exceed the time limit): | Yes |
| Times Zones and Groups: | Multiple time zone profiles, Holidays, Business Trips and multiple departments |
| Anti-pass back and tail: | Yes |
| Electronic Map: | Yes |
| Maximum distance between controllers: | TCP/IP: Bus line length is 1200m, 1000M or less is suggested. With an expansion device can you extend the distance to a maximum of 3000M. |
| Maximum distance between controller and reader: | 100M, 80M is suggested |
| Firmware Upgrade: | Local / Remote by PC Application |
| **Environmental Specifications** | |
| Operating Environment: | Indoor Use only |
| Operating Temperature: | -40°C to 70°C |
| Operating Humidity: | 10 to 90% (Non-Condensing) |
| **Physical Specifications** | |
| PCB Board Dimensions: | 230mm x 71mm |
| PCB Board Weight: | 0.21 Kg |
| Enclosure: | Metal, Locked 278mm x 236mm x 65mm |
| Weight: | 3.07 Kg |
| **Electrical Specifications** | |
| ACU Power Supply Voltage | 12 VDC, Regulated from the built-in power supply unit / charger . (4-7A) |
| ACU Power Consumption | Less than 100mA |
| Relay output | 1 full programmable 5A, N.O. and N.C. relay output. |
| Battery Charger | Supports batteries up to 12V / 17Ah! (Lead-Acid) |
| Maximum Current for Readers | Maximum 300mA |
| **Package Specifications** | |

| Contents: | PCB Board, Metal Black Case, Power Supply Unit / Charger, Power Cord, Serial port communication cable, Software, Product Manual, Product Certificate, Keys for locking the case (2 pieces) |
|---|---|
| Packaging Type | Retail package |

## SYSTEM COMPONENTS

AC-170NET is compatible with a range of Conas accessories and a wide selection of readers and accessories.



The following models are available:
- AC-150
- AC-160
- AC-170
- AC-150PCB
- AC-160PCB
- AC-170PCB
- AC-150NET (Onboard TCP/IP)
- AC-160NET (Onboard TCP/IP)

- AC-170NET (Onboard TCP/IP)
- AC-150NETPCB (Onboard TCP/IP)
- AC-160NETPCB (Onboard TCP/IP)
- AC-170NETPCB (Onboard TCP/IP)
- AC-IOM14
- AC-IOM44

## GUARANTEE

All the Conas products are covered by the 2-year Conas factory warranty, starting at the day of purchase.

Please visit our website, http://www.conas-security.com, for more sales information and product documentation

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