

# AC-150NET

## *Advanced Scalable Networked Access Controller (2 readers)*

The AC-150NET is single/dual door networked access control unit. The AC-150NET 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-150NET could be easily combined with the Conas range of RFID proximity, Pin & Prox, Smartcard, Pin and biometric readers. The AC-150NET 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-150NET is suitable to support applications up to 20.000 users , 100.000 network events and an unlimited amount of panels (TCP/IP)

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-150NET Access Control Units (ACU) supports 2 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-150NET could also be used to control two doors separately.

Each AC-150NET 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-150NET is using an onboard TCP/IP Network port (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 1 door (in/out) and 2 door (In/Out, In/In, Out/Out) configurations;
- Supports Wiegand 26 Bit readers and card readers with Motorola, HID, EM, Mifare protocol;
- Supports 1 input, 1 output. Expandable to 5 inputs and 5 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

<b>Technical Specifications</b>	
Users:	Up to 20.000 Users
Event log:	100.000 Events
Inputs:	1 supervised input, expandable with AC-IOM14 & AC-IOM44 Modules.
Readers:	2 Wiegand 26 Bit readers with LED Control, 4/6/8 bit Keypad transmission support. Single door (in/in), Dual door (In/Out)
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:	No Maximum for 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:	No
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
<b>Environmental Specifications</b>	
Operating Environment:	Indoor Use only
Operating Temperature:	-40°C to 70°C
Operating Humidity:	10 to 90% (Non-Condensing)
<b>Physical Specifications</b>	
PCB Board Dimensions:	168mm x 71mm
PCB Board Weight:	0.11 Kg
Enclosure:	Metal, Locked 278mm x 236mm x 65mm
Weight:	3.02 Kg
<b>Electrical Specifications</b>	
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
<b>Package Specifications</b>	
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-150NET 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



Distributed by:

Version 1.27

©Copyright Conas™ 2009-2021