AC-160NET

Advanced Scalable Networked Access Controller (4 readers)

The AC-160NET is a dual door networked access control unit. The AC-160NET 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-160NET could be easily combined with the Conas range of RFID proximity, Pin & Prox, Smartcard, Pin and biometric readers.   The AC-160NET 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-160NET is suitable to support applications up to 20.000 users , 100.000 network events and an unlimited amount of panels (TCP/IP based system)

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-160NET 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-160NET could also be used to control two doors separately.

Each AC-160NET 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-160NET 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 2 doors (in/out) configurations;
- Supports Wiegand 26 Bit readers and card readers with Motorola, HID, EM, Mifare protocol;

- Supports 2 inputs, 2 outputs. Expandable to 6 inputs and 6 outputs with the AC-180PCB;
- Comes in pre-installed enclosure including a transformers, dual power supply / charger;
- Fast Memory prevents for data loss;

http://www.conas-security.com

Technical Specifications	
Users:	Up to 20.000 Users
Event log:	100.000 Events
Inputs:	2 supervised inputs, expandable with AC-180PCB
Readers:	4 Wiegand 26 Bit readers with LED Control, 4/6/8 bit Keypad transmission support. 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 of 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:	0.17 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-160NET 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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