

WAC-2D2T-ENC
WAC-4D4T-ENC
WAC-4D8T-ENC
WAC-8D8T-ENC



Description:

WAC Access Controllers are designed to be self-contained controllers ideally suited for small and medium sized companies. Packed with rich features, this product takes care of a variety of control and automation functions in addition to basic access control requirements of any facility.

The models have been designed for specific access requirements in any facility such as access by card and exit by push button. Based on the needs on site, the designer can choose from available models capable of controlling access to 1, 2, 4 or 8 doors (per panel).

The controllers communicate through the traditional RS485 Bus or TCP/IP. The controllers are capable of using industry standard 26-72 bit Wiegand readers as well as other related technologies.

The 2 Door controller can directly power up to 2 door strikes, when using maglocks an additional power supply is needed. 4 door or 8 door controllers require an additional power supply to operate maglocks and/or strikes.

Note local fire and building codes may apply when using maglocks.

Lockable cabinet and control board power supply included with the Access Control Kits.

WatchNET provides ease of installation with a wiring diagram printed on the cabinet door.

Weatherproof and IP rated controller cabinets are available.

Features:

- Supports RS232 / RS485 / TCP/IP
- Cards holder capacity: 30,000 / 100,000 (online mode)
- Transactions storage: up to 270,000
- Supports keypad readers for requiring a PIN when entering a door
- Supports up to 500 temporary cards with security settings
- Up to 365 holidays 15 Time Zones for each door
- Supports both POE & POE+ (Network based 10/100M)
- 24 sets of Flow Control
- Local and Global Anti-Pass back
- Programmable Door Status
- Always Closed (Can be opened by Supervisor cards only)
- Multiple types of Events
- Data can be kept for 180 days without power
- Backup Battery: POE will offer a socket for backup battery
- Low Voltages protection: Power off during 10.6V, stop to charge during 13.8V
- CE, FCC, UL, RoHS approval

Salient Features of WatchNET Controllers:

Integrated Security Solution feature

- Access Control
 - ◊ Multi maps, Zoom In/Out
 - ◊ Multi modes: Card, PIN, Fingerprint, Face Recognition
 - ◊ Transaction will bring the map and cameras
- Intrusion (Support: DSC, Rocknet / ProSYS, Pima)
- CCTV (Compatible with Axis, Hikvision, WatchNET & CP PLUS...)

1. Smart Mobile APP

- Compatible with Android, IOS
- Management, Remote Control, Transactions...

2. POE

- POE, POE+
- Backup battery: POE will offer a socket for backup battery
- Low Voltages protection: Power off during 10.6V, stop to charge during 13.8V
- Network based, 10/100 M

3. 3 Layer Memory Structure & Processor

- 32 bits ARM Cortex M4 processor
- 3 Layer memory structure: SDRAM, RAM, Flash
- Download 30k card users, it will take less than 15 seconds

4. Supervisor

- DIP Switch to enable or disable SUPERVISOR
- Once the wire is cut, the system will alarm

6. Multi Language

- English, Hebrew, Spanish, Russian, Arabic
- Customer can add his own language by Language Editor of Application

7. Multi Database, Oracle as an option

- Supports Oracle database, much more stable during enterprise class installations
- Supports MS_SQL
- Supports MS_Access also, just for small installations

8. Flexible

- Multi connecting mode: TCP/IP, RS232, RS485

9. Select Events to Save

- If you would not like to see some unconsidered transactions, such as Door Relay Active..., you can choose "Not saved"

10. Events Drive Alarm / Lockdown

- Every event can be setup as the condition to active some relays or close some doors and open some rest doors

11. 8 Bytes card number length

- Up to 8 bytes card number length, much more security
- Supports all Wiegand readers from 26 bits to 72 bits

12. Supervisor / Manager card

- Boss card: can open any door anytime. Double swipe will switch the door status: NO / Normal
- Manager card: will not be limited by Anti-Pass back. Double swipe will switch the door status: NO / Normal

13. Handicap card

- Normal card: The door will keep open normal seconds, like 5 seconds
- Handicap card: The door will keep open longer, like 15 seconds

14. Emergency card

- Emergency card can open all doors when the system crashed

15. Multi-Mode to open door

- Card / PIN
- Card + PIN
- Card / Fingerprint
- Card + Fingerprint
- Multi cards: Up to 8 cards in short time, and release all cards after 8 seconds waiting

16. Master / Slave cards to open the door

- Everybody can setup a Master card for him
- Only this user and his master come here together to open the door

17. Groups cards to open the door

- Up to 4 groups
- Several cards of each group

18. Confirm by Monitor Center

- Only confirmed by center, then door will be open
- Special for Bank Money warehouse

19. Private PIN

- Everybody will have a private PIN: 4 to 8 digitals
- Private PIN will work as same as his card
- System will show his name when he use his PIN

20. Armed / Disarmed

- When all people leave, swipe card and press "Armed Code" from door reader, the system will be armed
- When the first people come, swipe card and press "disArmed Code", the system will be disarmed

21. Email notification

- Up to 3 pcs target email box for every transaction
- System will send email to these email box when the setting events happen

22. Calculator for special area

- Special for some place to calculate different kind of worker
- Show these worker number on display

23. Popup

- Popup for each event
- Different direction and symbol mention
- Different color for each event
- Different sound for each event

24. Operator

- Different management level
- Matched with doors
- Matched with department

25. Different view in different client

- Same view for some clients
- Different view for each client if you want
- Only show these panels which is connected to this PC



Model	WAC-2D2T-ENC	WAC-4D4T-ENC	WAC-4D8T-ENC	WAC-8D8T-ENC
				
Description	2 Door 2 Reader	4 Door 4 Reader	4 Door 8 Reader (IN/OUT)	8 Door 8 Reader
Number of Readers	2	4	8	8
Card holders	30,000 / 100,000 (online mode)			
Memorized events	270,000	270,000	270,000	270,000
Built-in inputs	4	2	4	0
Built-in outputs	4	6	8	8
Exit button Inputs	2	4	4	8
PCB size	17cm x 13cm / 6.7" x 5.1"			
PCB weight	0.5 Kg			
CPU	32 bits of ARM, 2 watch-dogs			
Memory	32 KB ROM / 512KB SRAM			
Card/Transactions capacity	30,000 card holders, 270,000 off line event buffer, Unlimited transactions (on line)			
Reader	Supports Wiegand 24 to 72 bits (Fingerprint reader, EM/Mifare reader) Supports WatchNET and other readers with Wiegand Protocol			
Communication	TCP/IP 127 controllers for each RS485 Up to 1,200 m for each RS485 Communication speed: 19,200/9,600/4,800 1,1,n			
Input/output port	RJ45 Socket for Plug & Play connection of readers Dry door relay/extension relays output, 5A Exit Buttons, Door Lock Sensors, Extension Inputs			
Protection circuit	Protects the board from over voltage and short circuit			
Auto-test	Yes			
Led indicator light	Yellow: power; red and green: communication			
Power	12VDC ($\pm 30\%$), 300mA Auto volt 100 to 240VAC 50 / 60Hz with power supply			
Work environment	Temperature: -40°C ~ 70°C / 40° F ~ +158° F / Humidity: 0 to 90%			
Package	Metal housing with power supply			
Dimension (mm)	40.3cm x 38.4cm x 7.2 cm / 15.8" x 15.1" x 2.8"			
Weight	4.5kg / 9.92lb			

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