

**WAC-2D2T-ENC**  
**WAC-2D4T-ENC**  
**WAC-4D4T-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.

All 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 Power over Ethernet adapter included with 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
- 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
- CE, FCC, RoHS approval



| Model                             | WAC-2D2T-ENC  | WAC-2D4T-ENC  | WAC-4D4T-ENC  | WAC-8D8T-ENC  |
|-----------------------------------|---|---|---|---|
|                                   |    |  |  |  |
| <b>Description</b>                | 2 Door 2 Reader   | 2 Door 4 Reader   | 4 Door 4 Reader   | 8 Door 8 Reader   |
| <b>Number of Readers</b>          | 2   | 4   | 4   | 8   |
| <b>Card holders</b>               | 30,000 / 100,000 (online mode)  |   |   |   |
| <b>Memorized events</b>           | 270,000   | 270,000   | 270,000   | 270,000   |
| <b>Built-in Auxilliary Input</b>  | 4   | 4   | 2   | 4   |
| <b>Built-in Auxilliary Output</b> | 2   | 2   | 2   | 2   |
| <b>Built-in Lock Output</b>       | 2   | 2   | 2   | 8   |
| <b>Exit button Inputs</b>         | 2   | 2   | 2   | 8   |
| <b>PCB size</b>                   | 17cm x 13cm / 6.7" x 5.1"   |   |   |   |
| <b>PCB weight</b>                 | 0.5 Kg/1.10lb   |   |   |   |
| <b>CPU</b>                        | 32 bits of ARM, 2 watch-dogs  |   |   |   |
| <b>Memory</b>                     | 32 KB ROM / 512KB SRAM  |   |   |   |
| <b>Card/Transactions capacity</b> | 30,000 card holders, 270,000 off line event buffer, Unlimited transactions (on line)  |   |   |   |
| <b>Reader</b>                     | Supports Wiegand 24 to 72 bits (Fingerprint reader, EM/Mifare reader)<br>Supports WatchNET and other readers with Wiegand Protocol                |   |   |   |
| <b>Communication</b>              | TCP/IP<br>127 controllers for each RS485<br>Up to 1,200 m for each RS485<br>Communication speed:19,200/9,600/4,800 1,1,n                          |   |   |   |
| <b>Input/output port</b>          | RJ45 Socket for Plug & Play connection of readers Dry door relay/extension relays output,<br>5A Exit Buttons, Door Lock Sensors, Extension Inputs |   |   |   |
| <b>Protection circuit</b>         | Protects the board from over voltage and short circuit  |   |   |   |
| <b>Auto-test</b>                  | Yes   |   |   |   |
| <b>Led indicator light</b>        | Yellow: power; red and green: communication   |   |   |   |
| <b>Power</b>                      | 12VDC (±30%), 300mA<br>Power over Ethernet  |   |   |   |
| <b>Work environment</b>           | Temperature: -40°C ~ 70°C / 40° F ~ +158° F / Humidity: 0 to 90%  |   |   |   |
| <b>Package</b>                    | Metal housing with power supply   |   |   |   |
| <b>Dimension (mm)</b>             | 40.3cm x 38.4cm x 7.2 cm / 15.8" x 15.1" x 2.8"   |   |   |   |
| <b>Weight</b>                     | 4.5kg / 9.92lb  |   |   |   |

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