

## WatchNET Access Controller

### 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 the 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 or Entry as well as Exit using Card readers (IN/OUT). 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), unlimited doors online.








The controllers communicate through the traditional RS485 Bus or are TCP/IP ready depending on the models chosen. Once configured these controllers function independently processing complex tasks making it an ideal choice for intelligent buildings. The controllers are capable of using industry standard Wiegand Readers, Biometric as well as other related technologies.

### Features

- ✓ Supports RS232/RS485/TCP/IP
- ✓ Cards holder capacity: 100,000
- ✓ 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

## WatchNET Access Controllers - Specifications

Model	WAC 1D2	WAC 2D2	WAC 4D4	WAC 4D8	WAC 8D8
					

Description	1Door 2 Reader (IN/OUT)	2 Door 2 Reader	4 Door 4 Reader	4 Door 8 Reader (IN/OUT)	8 Door 8 Reader
<b>Number of Readers</b>	2	2	4	8	8
<b>Card holders</b>	100,000				
<b>Memorized events</b>	270,000	270,000	270,000	270,000	270,000
<b>Built-in inputs</b>	3	4	2	4	0
<b>Built-in outputs</b>	3	4	6	8	8
<b>Exit button Inputs</b>	1	2	4	4	8
<b>PCB size</b>	17cm x 13cm / 6.7" x 5.1"				
<b>PCB weight</b>	0.5 Kg				
<b>CPU</b>	32 bits of ARM, 2 watch-dogs				
<b>Memory</b>	32 KB ROM / 512KB SRAM				
<b>Card/Transactions capacity</b>	100,000 card holders; Unlimited transactions				
<b>Reader</b>	Supports Wiegand 24 to 72 bits (Fingerprint reader, EM/Mifare reader Supports WatchNET and other readers with Wiegand Protocol)				
<b>Communication</b>	TCP/IP 10 Mbps (optional) 127 controllers for each RS485 Up to 1,200 m for each RS485 Communication speed: 19,200/9,600/4,800 1,1,n Can be worked with WAC-XDY controller and WAI-168				
<b>Input/output port</b>	RJ45 Socket for Plug & Play connection of readers Dry door relay/extension relays output, 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 Auto volt 100 to 240VAC 50 / 60Hz with power supply				
<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</b>	30cm x 35cm x 7cm / 11.5" x 13.8" x 2.8"				
<b>Weight</b>	2.9kg / 1.3lb				

All product specifications on this brochure are subject to change without



**CANADA:**  
351 Ferrier Street, Unit 5  
Markham, Ontario  
L3R 5Z2, Canada  
Tel: 416-410-6865  
Fax: 1-866-331-3341  
Toll Free: 1-866-843-6865

**USA:**  
700 Ensminger Rd.  
Site 104 Tonawanda, NY  
14150 USA  
Toll Free: 1-866-843-6865  
Local: 1-717-687-8736  
Fax: 1-866-331-3341  
[www.watchnetaccess.com](http://www.watchnetaccess.com)  
[info@watchnetaccess.com](mailto:info@watchnetaccess.com)

**UAE:**  
P.O. Box # 126312  
Dubai, UAE  
Tel: + 971 4 3584458  
Fax: + 971 4 3584458  
Mobile: + 971 50 5869290

**INDIA:**  
C-48, DDA Shed, Ground Floor  
Okhla Industrial Area, Phase I  
New Delhi-110020  
Tell: +91 11 26816005  
Fax: +91 11 26816006  
Mobile: + 91 9654297002