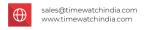# Double Door two-way Access Controller

TF-2DCW

- Adopts Linux and comes with a webpage.

- Supports 100,000 users, 100,000 passwords, 100,000 cards, 10,000 fingerprints, and 500,000 access records.

- Supports multiple unlock methods including card, password, fingerprint and QR code. You can also combine them to create your own personal unlock methods.

- You can configure scheduled unlock methods.

- Supports RS-485 card reader and Wiegand card reader.

- Offers multiple types of alarms such as duress, tamper, intrusion, unlock timeout, and excessive use of illegal card.

- Supports anti-passback, multi-door interlock, multi-person unlock, first-card unlock and remote verification.

- Supplies power to 2 locks (12 V, 1.2 A or lower) and 4 card readers (12 V, 500 mA or lower) at the same time. The power adapter must support the necessary power specifications.

- Features the fire alarm linkage. The device must be connected to the alarm input port and the corresponding linkage must be configured.

- Supports TCP/IP connection, auto registration, P2P registration and DHCP.

- PoE power supply.

- Compatible with the platforms of SmartPSS Lite, DSS Pro and DMSS.

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Specification

System	
Main Processor	Embedded Processor
Network Protocol	IPv4;UDP;P2P;IPv6;TCP
OSDP Protocol	Yes
Interoperability	ONVIF PROFILE C
SDK	Yes
API	Yes

Basic	
Product Type	Controller
Buzzer	Yes
Casing Material	PC+ABS

Function	
Verification Method	Card, Password, Fingerprint, Remote & QR Code
Period List	128 groups
Holiday Period	128 groups
Network Update	Yes
First User Unlock	Yes
Remote Verification	Yes
Restricted List/Trusted List	Yes
Peripheral Card Reader	Supports 4-channel RS-485 card readers and 4-channel Wiegand card readers.
Multi-door Interlock	Yes
Multi-user Authentication	Yes
Real-time Monitoring	Yes
Multi-factor Authentication	Yes
Web Configuration	Yes
Unidirectional or Bidirectional	Bidirectional

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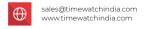
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User

User (Card) Type	General user, VIP user, patrol user, guest user, blocklist user, other users, custom user 1 and custom user 2

Capacity

User Capacity	100,000
Fingerprint Capacity	10,000
Card Capacity	100,000
Record Capacity	500,000

Port

RS-485	5 ports. 4 for card readers, and the remaining 1 is for the extension port.
Wiegand	4-channel input
Network Port	1 RJ-45, 10 Mbps/100 Mbps self-adaptive
Alarm Input	4 channels; expandable to 8 channels when connected to an external alarm module.
Alarm Output	4 channels; expandable to 8 channels when connected to an external alarm module.
Alarm Linkage	Yes
Exit Button	2 channels
Door Status Detection	2 channels
Lock Control	2 channels

Alarm

Anti-pass Back	Yes
Tamper Alarm	Yes
Duress Alarm	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
Duress Fingerprint	Yes

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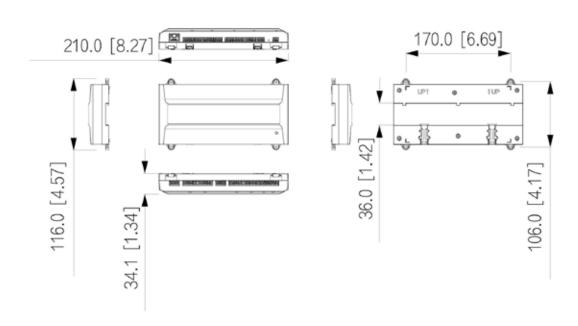Ver.2.0

General

Power Supply	Standard PoE; 12 VDC 1A (no peripheral devices)
Power Consumption	≤ 3 W; it might alter if other devices are connected
Product Dimensions	210mm × 106mm × 34.1mm (8.27" × 4.17" ×1.34") (L × W × H)
Operating Temperature	−30°C to +60°C (−22 °F to +140 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Environment	Indoor
Gross Weight	0.54 kg (1.19 lb)
Installation	Surface Mount;Guide Rail Mount

Dimensions Drawing

mm[inch]

210.0 [8.27]   170.0 [6.69]

116.0 [4.57]   36.0 [1.42]   106.0 [4.17]

34.1 [1.34]