TIMEWATCH®
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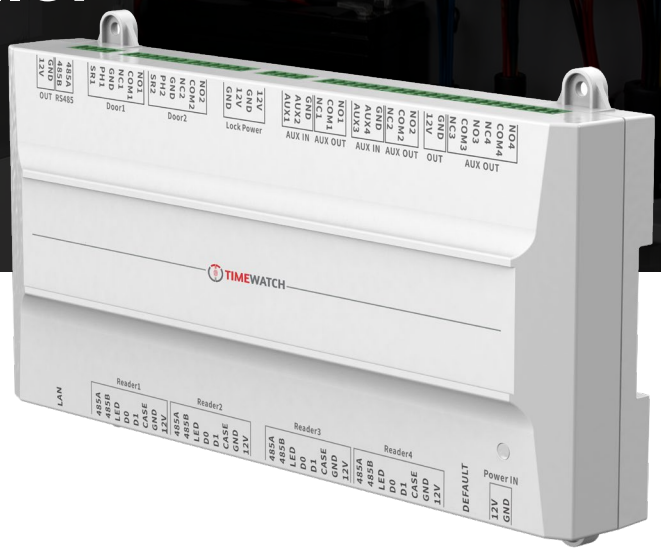
Web Based Access Controller

TF-2DCW



TF-2DCW is an intelligent two-door access controller designed to deliver secure, reliable, and scalable access management for modern facilities. Powered by a Linux operating system with a built-in web interface, it supports multiple authentication methods including Card, Fingerprint, Password, and QR Code with customizable verification modes and scheduled access.

Supporting up to 100,000 users, 10,000 fingerprints, 100,000 cards, and 500,000 access records, the TF-2DCW offers advanced security features such as anti-passback, multi-door interlock, multi-person authentication, tamper and intrusion alarms, fire alarm linkage, and remote verification. With PoE, TCP/IP connectivity, RS-485 and Wiegand reader support, and compatibility with SmartPSS Lite, DSS Pro, and DMSS platforms, it is an ideal solution for offices, commercial buildings, industrial facilities, educational institutions, and other high-security applications.

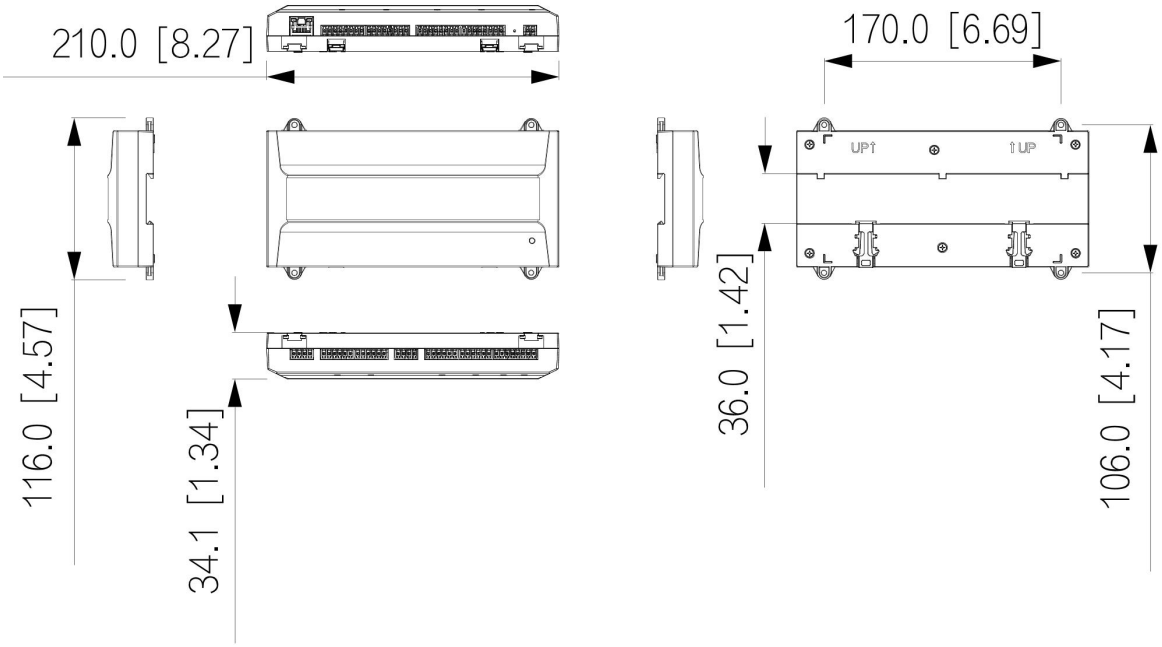
Technical Specification

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
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
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(L) × 106mm(W) × 34.1mm(H)
Operating Temperature	–30°C to +60°C

Operating Humidity	5%–95% (RH), non-condensing
Operating Environment	Indoor
Gross Weight	0.54 kg (1.19 lb)
Installation	Surface Mount;Guide Rail Mount

Dimension Drawing



Application

Education | Office | Government | Health | Bank | Logistics | Factory | Retail

Disclaimer : All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.