

DGT AC400



Series Overview

The DGT AC400 is an enterprise-grade network access control panel housed in a secure, lockable metal casing. Engineered to manage up to four doors, this sophisticated TCP/IP-based controller serves as the central hub for facility security. By processing data away from the doors themselves, it prevents tampering and ensures continuous, high-speed authorization across commercial environments.

Functions

Four-Door Network Control:

Fully coordinates a 4-door setup with one-way access logic (entry tracking via card reader and exit logging via a dedicated exit button).

Adaptive TCP/IP Communication:

Connects directly to IT networks through a native, adaptive 10M/100M Ethernet port for effortless multi-panel expansion without software limits.

High-Volume Database:

Stores a substantial offline database supporting up to 20,000 active users and an expansive local buffer of 100,000 offline event logs.

Non-Volatile Memory:

Utilizes integrated high-speed memory systems to guarantee zero data loss for user privileges and histories during unexpected power failures.

Wiegand Reader Interfacing:

Outfitted with flexible, multi-bit input channels supporting standard Wiegand formats ranging from 26 to 40 bits.

Advanced Fire & Peripherals Integration:

Features onboard relay controls and smart input loops to integrate security sirens, fire alarms, or specialized IO extension boards directly.



Technical specification

Door Control	Four-door TCP/IP Controller	Inter block	Yes
Operation Mode (Description)	One-way access – get in the door by swiping a card (reader), and get out of the door via an exit button	Anti pass back and tail	N/A
Communication	TCP/IP 10M/100M adaptive	Multi-card open door	Yes
Size of PCB Board	218mm × 106mm	Open long time at specified time	Yes
Size of Case	273mm × 228mm × 65mm	Electronic map	Yes
Power Supply	12VDC 4-7A	Urgency locking	Yes
Power Consumption of Circuit Board	Less than 100mA	First card unlocking	Yes
Input Format of Reader	Wiegand 26~40 bits	Unlock based on internal and external validation	Yes
Door Opening Time Extending Setting	1-600 seconds (adjustable)	Keypad (card+ password, supper password)	Yes
Max Qty of Controller	No limit		
Operation Temperature	-40°C ~ 70°C		
Operation Humidity	10-90 % RH, No Condensation		
Qty of Users	20,000 Users		
Qty of Event Buffers (Offline)	100,000 event buffers		
Power Interruption Protection Measure	High Speed Memory, Records never lose		
Max Distance from Reader to Controller	100m (suggestion distance 80m)		
Max Distance Between Controllers	Depends on net coverage area		
Collocations (Package Contents)	PCB board, case, power, power line, serial port communication line, software, manual, certificate, key (2pcs), carton		
Alarms	Alarm for long time door open, illegal break in, intimidate — Yes		
Fire and Alarm Linkage	Without expansion board: Only has software interface alarm, and drives the computer speaker. Connected with expansion board: Able to alarm by hardware. Connected with strengthened expansion board: Able to trigger a Security alarm.		
Compulsive open and close door at long time	Yes		
Open door in remote distance	Yes		

