

DGT FR600



Series Overview

The DGT FR600 is an advanced, high-tier smart access control terminal engineered to deliver multi-modal identity validation for premium security sectors. Housed in a heavy-duty, electroplated zinc-alloy enclosure, this ultra-slim device offers superior durability and an architectural look. Featuring high-speed biometric face scanning alongside integrated dual-frequency card proximity reading and a backlit digital keypad, it balances frictionless employee entry with strict perimeter security tracking. Certified for robust outdoor operation, it serves as an ideal biometric entry piece for enterprise headquarters, sensitive labs, and modern multi-tenant commercial complexes.

Functions

Multi-Modal Credential Scanning:

Provides versatile identification methods combining facial recognition, proximity cards, secure PIN codes, and mobile APP access.

Dual HD Facial Recognition:

Outfitted with an integrated dual HD camera array achieving rapid biometric verification speeds under 0.6 seconds, backed by a highly secure False Acceptance Rate of less than 0.001%.

Hybrid Dual-Frequency Reader:

Features a combined EM and Mifare reader operating simultaneously at 125KHz and 13.56MHz for frictionless proximity card migration.

Rugged All-Weather Engineering:

Built with a resilient zinc-alloy housing that carries an electroplated finish, fully certified for extreme outdoor thermal environments shifting from -40°C up to +60°C.

Expanded Database Limits:

Accommodates growing facility infrastructures with a local tracking memory capacity capable of processing 300 facial profiles and 5000 individual cards or PIN credentials.

Peripheral Integration Framework:

Equipped with multi-wire relay output terminals, exit button inputs, and dedicated doorbell integration logic to handle multi-door interlocking architectures effortlessly.

Technical specification

User Capacity Face	300
User Capacity Card/PIN	5000
Operating Voltage	12~18V DC
Idle Current	≤80mA
Active Current	≤250mA
Camera	Dual HD cameras
Identification Speed	<0.6s
Identification Way	Face / Card / PIN / APP
Face FAR	<0.001%
Face FRR	<1%
Proximity Card Reader	EM + Mifare
Radio Technology	125KHz + 13.56MHz
Read Range	2-5cm
Wiring Connections	Relay Output, Exit Button, Doorbell
Operating Temperature	-40°C~60°C
Environment	Outdoor
Operating Humidity	10%RH-90%RH
Physical	Zinc-Alloy Enclosure
Surface Finish	Electroplate
Operating Humidity	415g
Operating Humidity	500g