

Facial Recognition

5-inch standard and QR readers



Facial | Facial + QR

Touchless biometric readers with a 5-inch capacitive touchscreen, dual IR/RGB cameras and credential options. Facial matching can be combined with a card or PIN for multi-factor access.

Design and functions

- 20,000 facial templates; recognition under 0.5 seconds with stated accuracy of at least 99.8%. Capacity can reach 100,000 at 99% stated accuracy.
- Facial recognition distance of 0.3–1.5 m, with liveness detection and white/IR light compensation.
- Face, face + PIN, face + card, card + face, card + PIN and card-only modes; Face IN Card compares the live face with a card-stored template.
- Administration card or password manages users and configuration offline; updates synchronize to the database through TCP/IP.
- Search user and event records, connect an external card reader, and distinguish facial match from access status.
- Failed-access photos can be captured and stored. IP65 protection.
- Optional LEGIC, Bluetooth, barcode and fingerprint configurations.

Configuration and operation

Credentials	Mifare, Mifare Plus, DESFire, iCLASS, CPU and FeliCa UID options; LEGIC and Bluetooth optional
Optional fingerprint	Suprema module; ISO19794-2 / ANSI-378; 384-byte templates; up to 25,000 templates

Supported barcode formats

Barcode compatibility	QR Code, PDF417, Data Matrix, UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Industrial 2 of 5, Matrix 25, Standard 25, Codabar, MSI/MSI PLESSEY and GS1 DataBar.
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Facial Recognition

Technical specifications

RFID standards	125 kHz; ISO14443A and ISO15693
Reader output	Wiegand + RS485/OSDP
Network	Ethernet / TCP/IP
Relay	12 VDC at 1 A; second relay optional
Memory	2 GB DDR3 RAM / 16 GB flash
Display	5-inch LCD capacitive touchscreen, 720 × 1280
Cameras / illumination	IR + RGB; white and infrared fill light
Recognition distance	0.3–1.5 m
Protection	IP65
Supply / current	10–15 VDC / 2 A max
Temperature	–20 to +55 °C
Humidity	10–90%, non-condensing
Facial dimensions	191 × 106 × 30 mm
Facial + QR dimensions	185 × 140 × 29 mm

Model selection

Model structure	X1 X2 X3 N1 H N3 – N4 N5
RF prefix	TH = multi-tech + 125 kHz; BMT = multi-tech + Bluetooth; BL = Bluetooth + LEGIC; BTH = Bluetooth + multi-tech + 125 kHz; BH = Bluetooth + 125 kHz; NA = no reader module
Configuration	N1: F = facial, U = facial + QR, W = facial + fingerprint + QR
Reading mode	N3: 2 = CSN/UID/ID; 3 = HF sector; 4 = card-stored fingerprint; 5 = reader-stored fingerprint
Connection / algorithm	N4: 9 = Wiegand + OSDP pigtail; N5: A = ReadSense, C = Face++ default