SXK-FR607

Dynamic Face Recognition Terminal

PRODUCT FUNCTION

The SXK-FR607 is a 7-inch biometric terminal for access control, time attendance, video intercom and elevator control. It supports face and palm vein recognition alongside QR codes, cards and passwords, with local, desktop and cloud management.



Key features

- 7-inch HD touchscreen with 800 × 1280 resolution.
- 2 MP binocular camera with liveness detection and wide dynamic range.
- Recognition speed below 0.3 seconds and a recognition distance of 0.3 to 3 m.
- 1:N identification, 1:1 verification and 13 authentication combinations.
- 20,000 users and storage for 1 million access and attendance records.
- Video intercom with direct calling and dial-up calling modes.
- Independent attendance operation with USB report export.

Hardware and recognition

Parameter	Specification
Display	7-inch full-view HD touchscreen; 800 × 1280 pixels
Camera	2 MP binocular camera; IMX307 + GC2145 sensors
Image processing	Wide dynamic range and strong-light suppression
Processor	SV806 series; dual-core Cortex-A7 at 1 GHz; 0.6 TOPS NPU
Operating system	Embedded Linux 4.0.9
Memory and storage	256 MB DDR3; 8 GB eMMC
Face recognition	Binocular liveness detection; 1:N and 1:1 comparison
Palm vein recognition	850 nm illumination; contactless verification
Card technology	13.56 MHz Mifare, NFC cards, NFC phones and CPU cards

Credential and record capacity

Parameter	Specification
User capacity	20,000 users
Credential storage	20,000 each: faces, cards, QR codes and passwords; 10,000 palm veins
Record storage	1,000,000 access and attendance records; 10,000 recording photos; 10,000 system records

Supported applications include door access, attendance, video intercom, elevator control and cabinet lock expansion.

Technical specifications

Parameter	Specification
Power supply	DC 12 V; operating range 9 to 14 V
Working current	< 2,000 mA
Operating temperature	-30 to +65 °C
Operating humidity	10 to 90% RH
Housing	ABS plastic casing with tempered glass panel
Dimensions	230 × 118 × 25 mm
Weight	0.6 kg
Installation	Wall mounted or installed on a turnstile
Network connectivity	TCP/IP and Wi-Fi; customized 4G option
Network protocols	HTTP, MQTT, WebSocket, TCP and UDP; built-in web management
Management methods	Touchscreen, built-in web, desktop software, cloud software and mobile app
Desktop software	Personnel, access, attendance, elevator, guard tour, meeting and visitor management; Access and SQL database support
Cloud access	Browser or app access on computers, iPads and mobile devices
System integration	SDK integration and connectivity to third-party platforms
Firmware updates	Software OTA or USB flash drive
User interface	Multiple languages and built-in voice prompts
Standby content	Advertising images and switchable wallpapers

Peripheral interfaces

Interface	Configuration
Wiegand	1 input and 1 output; formats 26 / 34 / 66
RS485 and USB	1 RS485 interface; 1 USB port
Access inputs	1 exit button input; 1 door sensor input; 1 fire input
Access outputs	1 alarm output; 1 magnetic lock control interface

Options and customization

Option	Availability
4G connectivity	Customized option
Temperature detection	Customized function; high-temperature alarm and entry restriction
Dual-frequency reader	Optional ID card and Mifare card support
Advertising video	Available on selected models; confirm the supplied configuration
OEM and ODM	Configurable product and manufacturer names, model names, software information and advertising images

Configuration note. Functions depend on the supplied hardware and firmware. Recognition speed and distance are published specifications. Confirm required options when ordering.