

● INTRODUCING

Spark I-500

Face recognition outdoor station.

An IP video intercom for the building entrance. Residents open the door with their face, a card or a code — and visitors call straight through to the apartment.

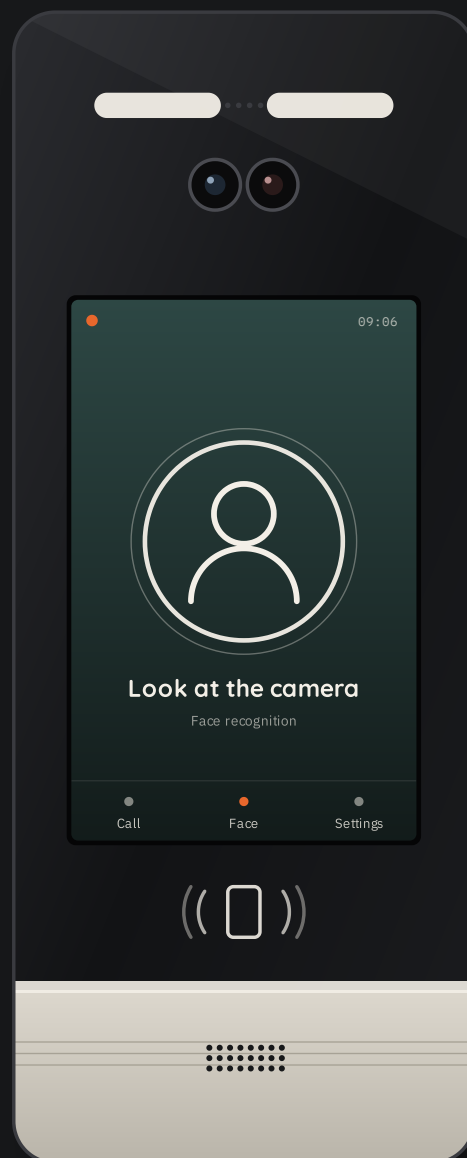
- Face recognition · up to 5,000 faces

- IC card & NFC · up to 2,000 cards

- Full-duplex video intercom

- IP55 · IK07 · -40 °C to +65 °C

- PoE over Cat5 / Cat6



● WAYS IN

One door. Five ways to open it.

Every resident gets in the way that suits them, and every method can be switched on or off by the building administrator.



Face

Look at the camera to unlock.
Liveness detection blocks photos.

UP TO 5,000 FACES



IC card

Tap a Mifare card on the reader
below the screen.

UP TO 2,000 CARDS • 13.56
MHZ



NFC

The card reader supports NFC.

BUILT IN



Password

Public password, a resident's own
password, or a one-time dynamic
code from the indoor monitor.

3 PASSWORD TYPES



From inside

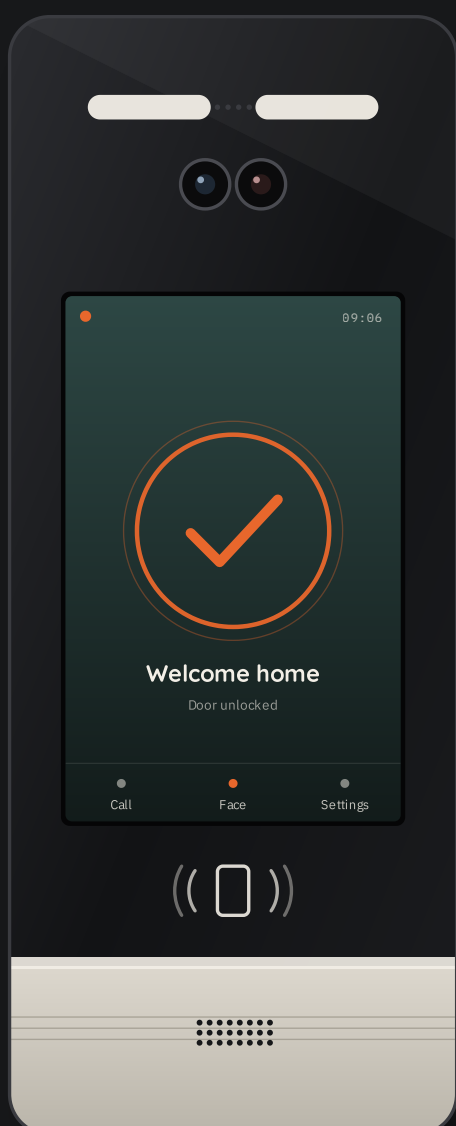
The resident unlocks the door from the indoor monitor during a video call.

FULL-DUPLEX INTERCOM

● FACE RECOGNITION

Look up. The door opens.

The I-500 stores up to 5,000 registered faces. Liveness detection means only a real person can unlock the door — a printed photo won't work.

**01 Liveness detection**

Only faces with live human features can unlock. On by default.

02 Wakes when you approach

Human-body sensing can light the screen automatically when someone walks up.

03 Day and night

White LED and infrared supplement light switch on together.

04 Card-linked faces

Faces register against a resident's IC card. Optionally limit each card to one face.

05 Sync & backup

Face data syncs from the server and backs up to the SD card.

5,000

Registered faces,
maximum

1080_P

Video, H.264,
3D noise reduction

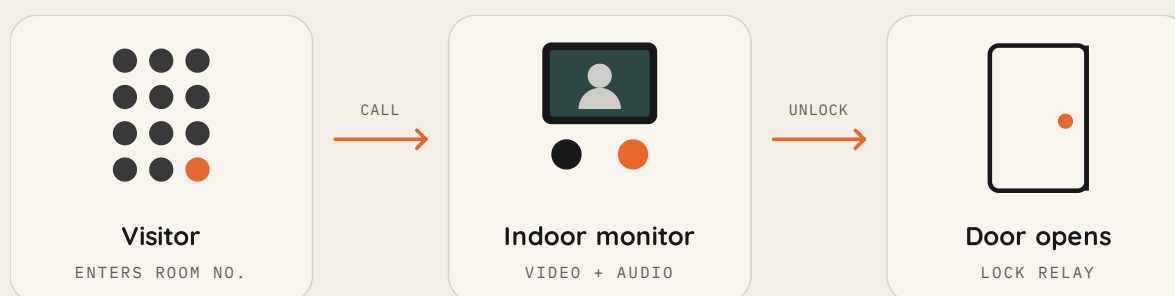
LED_{+IR}

White and infrared
supplement light

● VIDEO INTERCOM

Visitors call. Residents answer.

Visitors tap Call, enter a room number and are connected to the indoor monitor with full-duplex audio and live video. The resident can open the door during the call.

**01 Call by room number**

Or pick from an imported visitor call list, with names and room numbers.

02 Security & management

Dial 888 / 1000 to reach the security station or the management centre.

03 Adjustable timing

Ringing time 10–60 s, call time 10–120 s.

04 Auto hang-up

Optionally end the call as soon as the door is unlocked.

● BUILT FOR THE ENTRANCE

Rain, dust, heat, cold. Still working.

An aluminium and acrylic body rated IP55 for water and dust and IK07 for impact, working from -40°C to $+65^{\circ}\text{C}$. If someone removes the unit or forces the door, the management centre gets an alarm.

IP55 Water and dust protection	IK07 Impact protection	$-40\sim 65^{\circ}\text{C}$ Working temperature	10~90 %RH Working humidity, non-condensing
--	----------------------------------	---	--

01 Tamper alarm

Alerts the management centre if the station is removed.

02 Door-contact alarm

Reports a door left open, with a 1–99 s delay.

03 Two exit buttons

Separate inputs for the lock and the gate.

04 Two door contacts

Monitor the lock and the gate independently.

INTERFACE LANGUAGES

English

العربية

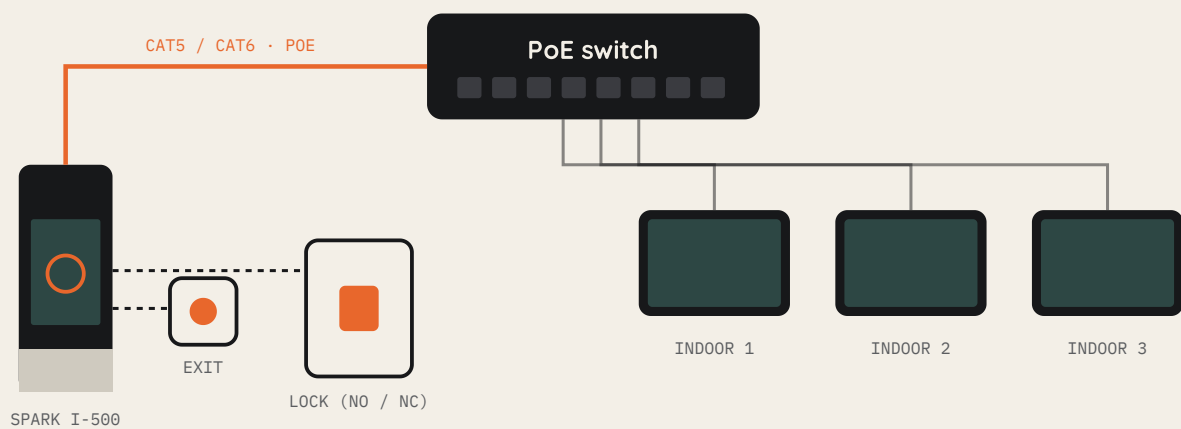
简体中文

繁體中文

● INSTALLATION & WIRING

One cable to the switch.

Power and data run over a single Cat5 or Cat6 cable from a PoE switch, or use a separate DC 15 V supply. The lock relay drives electric or magnetic locks directly.

**01 Network**

10/100/1000M adaptive, PoE, Cat5 / Cat6.

02 Lock relay

NO / NC, max AC 125 V 0.5 A or DC 30 V 2 A.

03 Unlock mode

Power-on or power-off unlocking, 1–99 s.

04 In the box

Station, 10-pin & 2-pin terminals, embedded box, 4 screws.

● FOR THE BUILDING MANAGER

Set up once. Run for years.

Everything is managed from a password-protected settings menu on the station itself, with backup and sync to keep resident data safe.

01 Cards & faces

Add or delete cards by room, by card or all at once.
View and manage face data.

02 Backup & restore

Back up the local database to SD card and restore it in one step.

03 Centre sync

Synchronise data with the management centre software.

04 Announcements

Play notices sent by the management centre while in standby.

05 Hardware test

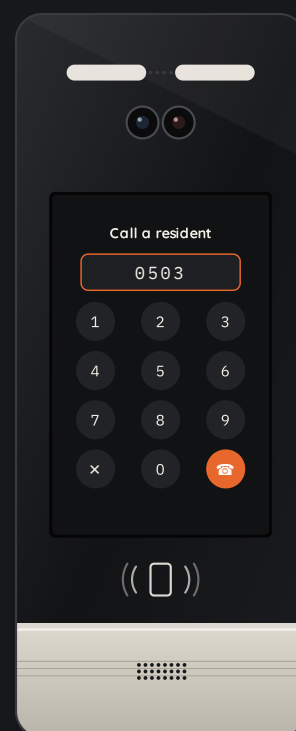
Built-in checks for camera, speaker, mic, card reader, relay, network and screen.

06 Screen & sound

Choose a background and set ringtone, call, button and alarm volumes.

“Every Spark device looks, speaks and behaves like it came from the same place — because it did.”

SPARK PRINCIPLE 03 — ONE COHERENT SYSTEM



● SPECIFICATIONS

Spark I-500

Face recognition IP outdoor station

SCREEN 8" or 10" touch screen	OPERATING SYSTEM Linux
FACE CAPACITY Up to 5,000	LIVENESS DETECTION Yes
RFID IC card (Mifare, 13.56 MHz), up to 2,000	NFC Yes
HUMAN-BODY SENSING Yes	VIDEO 1920×1080P / 720P, H.264
NOISE REDUCTION 3D noise reduction	SUPPLEMENT LIGHT White LED + infrared
AUDIO INTERCOM Full duplex	EXIT BUTTONS 2 (lock & gate)
DOOR CONTACT INPUTS 2 (lock & gate)	LOCK RELAY NO / NC, max AC 125 V 0.5 A / DC 30 V 2 A
ALARMS Tamper, door contact	NETWORK 10/100/1000M adaptive, PoE
CABLE Cat5 / Cat6	POWER SUPPLY DC 15 V, 2 A
MATERIAL Aluminium + acrylic	PROTECTION IP55, IK07
WORKING TEMPERATURE -40 °C ~ +65 °C	WORKING HUMIDITY 10% ~ 90% RH, non-condensing
INSTALLATION Surface mount	SIZE 8": 360 × 150 × 33 mm · 10": 340 × 190 × 37.5 mm
LANGUAGES English, Arabic, Chinese (Simplified & Traditional)	



Smart home, quietly intelligent.

[SPARK-HOME.COM](https://spark-home.com)