

● INTRODUCING

Spark I-100

IP video door station.

A slim single-button door station with a colourful wide-angle lens, NFC card reader and a bold round call button — built for homes, villas and small buildings.

● 2 MP camera · wide angle

● Infrared night vision

● Full-duplex intercom

● NFC card unlocking

● PoE or DC 12–15 V



● AT THE DOOR

Everything the front door needs. Nothing it doesn't.

One call button, one camera, one card reader — in a compact aluminium-grey housing that's easy to install and easy to use.



2 MP · wide angle

A wide view of whoever is at the door.



Night vision

Infrared LEDs for clear images after dark.



Full-duplex talk

Both sides speak at once, like a phone call.



NFC unlocking

Tap an NFC card on the reader to open the door.



Motion & human detection

Picks up movement and people at the door.



PoE or DC

One cable for power and data, or a DC 12–15 V supply.



01 **Speaker grille**
Top of the glass panel

02 **IR LED bar**
Three LEDs above the camera

03 **Camera**
Wide-angle lens with iridescent optics

04 **NFC reader**
Touch zone in the lower glass area

05 **Call button**
Large round button on the lower panel

06 **Microphone**
Bottom of the station

● VISITOR CALLS

Press the bell. See, talk, open.

The visitor presses the round call button and the indoor monitor rings. The resident sees them, talks in full duplex and taps Unlock to open the door.



01 Clear by day

2 MP camera with a wide viewing angle.

02 Clear by night

Infrared LEDs light the scene after dark.

03 Motion & human detection

Detects movement and people in front of the door.

04 Status indicators

IR LEDs and lens indicators confirm power and call state.

2_{MP}

Camera
resolution

IR

Infrared night
vision LEDs

NFC

Contactless
card reader

● CARD UNLOCKING

Tap a card. You're home.

Residents unlock with an NFC card at the reader. Cards are added and removed from the indoor monitor — deleting a card only affects that household, never the neighbours.

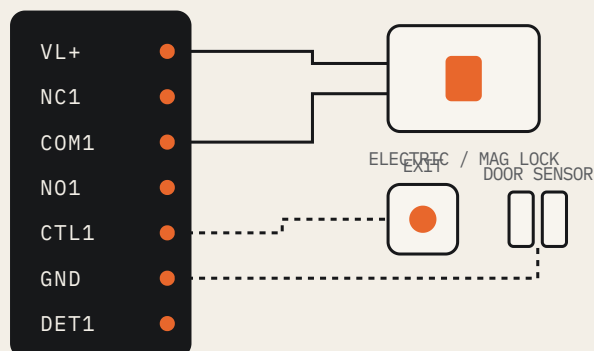
01 Add cards

Put the station in add mode from the indoor monitor, then tap each new card.

02 Remove cards

Delete one card, swipe several in delete mode, or clear them all.

LOCK CONTROL



03 Two lock outputs

Lock 1 (NO / NC) and Lock 2 — electric or magnetic locks.

04 Exit buttons

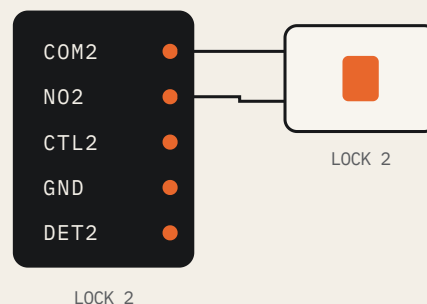
A door-release button input for each lock.

05 Door-open alarm

A door-contact input for each lock.

06 Lock power

Power the lock from the station's own lock output (VL+).



● INSTALLATION

One network cable. Two ways to power it.

Power the I-100 over PoE on the same network as the indoor monitor, or give each unit its own supply and link them with a Cat5 cable. It configures itself by DHCP.

OPTION A · POE



OPTION B · SEPARATE POWER

**01 Cabling**

Cat5 / Cat5e under 50 m to the indoor monitor;
RVV 2×1.0 under 10 m for the lock.

02 Mounting

Surface mount with the wall bracket; camera at eye level.

03 Set from inside

Unlock time, ring and call volume and motion sensitivity are set from the indoor monitor.

04 On the back

RJ45 port, volume adjustment and a factory reset button.

<1.5_w

Standby
power

300_{mA}

Maximum current
at DC 15 V

−10~55 °C

Working
temperature

● SPECIFICATIONS

Spark I-100

IP video door station

TYPE IP outdoor station	CAMERA 2.0 MP
NIGHT VISION Infrared compensation LEDs	INTERCOM Full duplex
UNLOCKING NFC card; from the indoor monitor	CARD READER NFC
OPERATING SYSTEM Linux	NETWORK RJ45, DHCP
POWER PoE or DC 12–15 V / 1 A	WORKING CURRENT Max 300 mA @ DC 15 V
STANDBY POWER < 1.5 W	WORKING TEMPERATURE –10 °C ~ +55 °C
MOTION DETECTION Yes	HUMAN DETECTION Yes
LOCK OUTPUTS Lock 1 (NO / NC), Lock 2	INPUTS Exit button + door contact per lock
INSTALLATION Surface mount	CABLING Cat5 / Cat5e < 50 m · lock RVV 2×1.0 < 10 m

IN THE BOX

Door station

Wall mount

NFC cards ×2

7-pin, 5-pin & 2-pin cables

Anchors & screws ×4

Box screws ×2

User manual



Smart home, quietly intelligent.

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