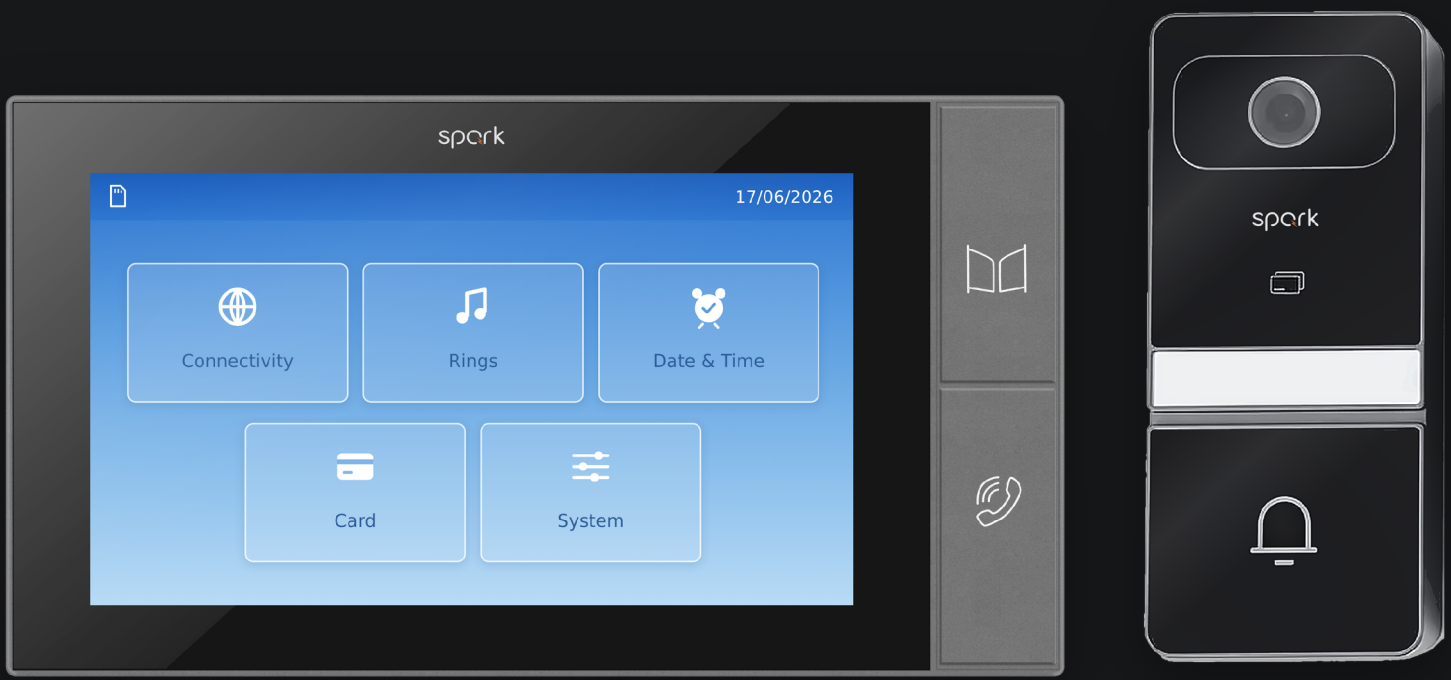
INTRODUCING

Spark S-301

2-wire IP video intercom kit — indoor monitor + outdoor station.

Everything you need in one box. The S-301 pairs a 7-inch IPS touchscreen indoor monitor with a 3.0 MP outdoor station — IC card access, infrared night vision, full-duplex audio and Tuya smart-home control, all over a single CAT5 cable.

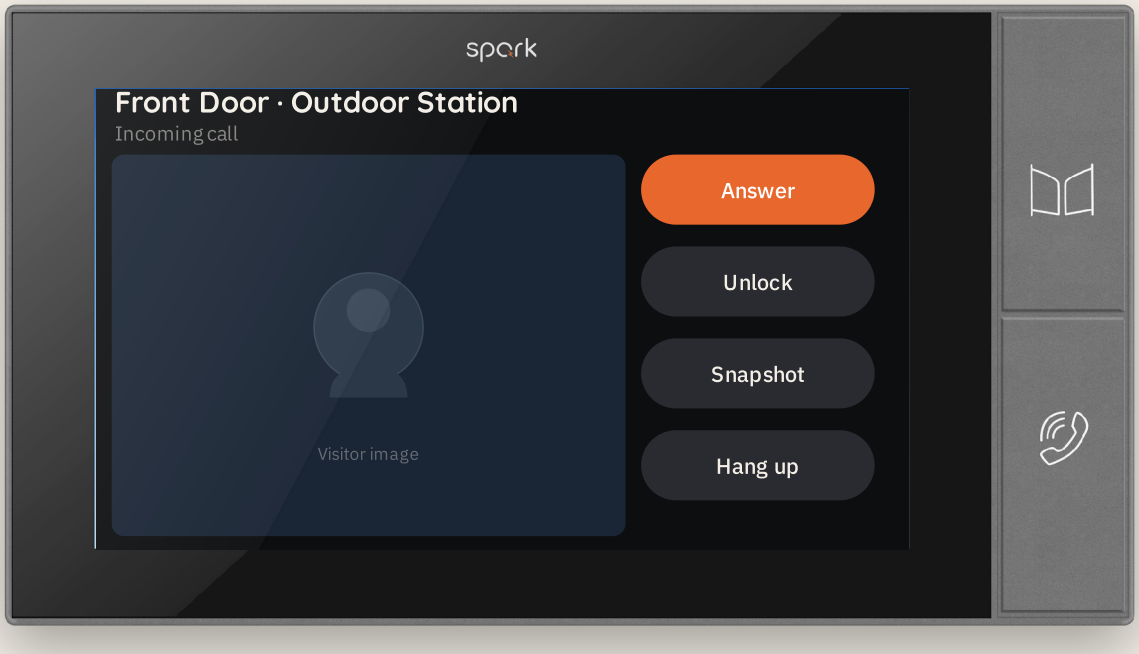


- 7″ IPS touchscreen
- 3.0 MP outdoor camera
- 140° wide angle
- IC card access
- IR night vision
- DC 24 V power
- IP65 outdoor
- Tuya smart-home

INCOMING CALL

Someone's at the door. You're already there.

The outdoor station's call button rings the indoor monitor instantly. See the visitor in FHD 1080P, talk in full-duplex and unlock with a tap — all from the 7-inch touchscreen.



Full-duplex audio

Talk and listen simultaneously — natural two-way conversation, no delays.

Relay unlock

Unlock the door directly from the call screen with one tap.

Snapshot & record

Save a JPG photo or a video clip to the 128 GB SD card during the call.

IC card access

Residents can present an IC card to the outdoor station to unlock without calling.

IR night vision

The outdoor station's infrared illumination activates automatically after dark.

IP65 outdoor

Aluminium alloy outdoor station rated IP65 — dust-tight and rain-resistant.

OUTDOOR STATION

Sees more.
Keeps the weather out.

The S-301 outdoor station is built from aluminium alloy and rated IP65. Its 3.0 MP camera covers 140° and switches to infrared night vision automatically — so you always see who's there, rain or shine.



01 **3.0 MP camera**
FHD 1080P video decoded in H.264 — sharp, detailed image at any time of day.

02 **140° wide angle**
Wide 140° lens captures the full entrance — no blind corners.

03 **IR night vision**
Infrared illumination switches on automatically for clear images after dark.

04 **IP65 rated**
Dust-tight and water-resistant — rated for all outdoor conditions.

05 **IC card access**
Built-in card reader supports standard IC cards for keyless entry.

06 **Aluminium alloy body**
140 × 60 × 25 mm. Compact, robust and tamper-resistant.

INDOOR MONITOR

Vivid 7-inch panel. Everything at a touch.

The indoor monitor's 7-inch IPS touchscreen displays visitors in crisp 1024 × 600 resolution. Physical answer and unlock buttons on the side panel let you respond without even looking at the screen.



01 **7″ IPS touchscreen**
1024 × 600 IPS display — wide viewing angles and vivid colours.

02 **FHD 1080P input**
Receives H.264 FHD 1080P video from the outdoor station.

03 **Full-duplex audio**
8 Ω 2 W speaker with -40 dB microphone — talk and listen simultaneously.

04 **Side-panel buttons**
Physical answer and unlock buttons for fast, tactile response without touching the screen.

05 **Snapshot & record**
Save JPG snapshots or video to a 128 GB SD card directly from the call screen.

06 **Tuya app control**
Receive calls, view the camera and unlock remotely from the Tuya or SmartLife app.

TUYA ECOSYSTEM

Connected to every corner of your home.

The S-301 pairs with the Tuya and SmartLife apps over Wi-Fi. Receive door calls on your smartphone, view the live camera feed and unlock the door — from anywhere in the world.

Tuya / SmartLife

Native Tuya support — pair with the SmartLife app for remote access.

Remote viewing

View the live outdoor camera feed from anywhere via the Tuya app.

DC 24 V powered

The kit runs from a DC 24 V supply.

01 **Remote door calls**
When the outdoor station rings, your phone rings too — answer and unlock from anywhere.

02 **Live monitoring**
Open the Tuya app any time to view the outdoor station's live camera feed.

03 **DC 24 V power**
Power the kit from a DC 24 V supply.



SETUP

One cable. Both devices. Up and running in minutes.

Connect the indoor monitor and outdoor station with a single UTP CAT5/CAT5e cable. Power from a DC 24 V supply. Both units mount to any flat surface with the included hardware.

01 **Cable: CAT5 / CAT5e**
UTP CAT5/CAT5e from outdoor station to indoor monitor — maximum 50 m run.

02 **Lock cable: RVV2×1.0**
Connect the relay lock with RVV2×1.0 cable, up to 10 m.

03 **Power: DC 24 V**
Indoor unit: DC 24 V. Outdoor unit: DC 24 V / 200 mA via indoor unit.

04 **Surface mount — both units**
Wall brackets and all fixings included. Mount to any flat surface indoors or outdoors.

05 **Motor lock support**
Relay output supports one motor-operated electric lock (12 V, max 500 mA instantaneous).

06 **What's in the box**
Indoor monitor · Outdoor station · Wall brackets · CAT5 terminals · IC cards ×2 · Screws & anchors · User manual

SPECIFICATIONS

Spark S-301

2-wire IP video intercom kit · indoor monitor + outdoor station

INDOOR MONITOR	
Screen	7″ IPS, touchscreen
Resolution	1024 × 600
Video input	FHD 1080P
Video codec	H.264
Speaker	8 Ω, 2 W
Intercom mode	Full-duplex
SD card	Up to 128 GB
Platform	Tuya / SmartLife
Power	DC 24 V
Standby power	≤ 2 W
Working temp.	–30 °C to +50 °C
Installation	Surface mount

OUTDOOR STATION	
Camera	3.0 MP HD
Video	FHD 1080P, H.264
Viewing angle	140°
Night vision	Infrared
Access control	IC card
Body	Aluminium alloy
Dimensions	140 × 60 × 25 mm
Protection	IP65
Power	DC 24 V / 200 mA
Standby power	≤ 2.4 W
Working temp.	–30 °C to +50 °C
Installation	Surface mount