ipdoor

SPARK

DOOR STATION SURFACE MOUNT - 3 BUTTONS

310

SPARK

THE COMPLETE DEVICE FOR ACCESS TO SINGLE OR MULTI-FAMILY HOMES

Spark 310 is designed as a video intercom station for single or multi-family villas and as an advanced access control device. Combining classic intercom functionality with flexible access control features, Spark 310 transforms every entrance into a tailored experience, offering a programmable solution.

ROBUSTNESS AND SIMPLICITY

Spark 310 combines a **compact display with direct call buttons**, making it simple and intuitive for visitors. The display allows easy updates of names and messages, while physical buttons provide immediate and practical interaction. Equipped with all interfaces for **advanced access**, Spark 310 ensures efficient management for both owners and occasional guests, offering an intuitive and customizable solution.

DESIGN

Spark stands out for its **innovative and intuitive design**, combining aesthetics and functionality. The choice of materials, favoring metal and refined colors, gives a unique and distinctive touch to the access.

SECURITY

Equipped with **advanced sensors**, it can send remote alarms in case of vandalism, break-in attempts, or unauthorized presence in restricted areas during specific hours.

SYSTEM ARCHITECTURE

IpDoor Access offers a flexible architecture adaptable to contexts. Options include: **Open Infrastructure on Cloud (AWS)**: no installation constraints, allowing remote configuration and maintenance, alarms to the installer, and complete IP integration; **Closed Infrastructure "On Premise"**: for companies with strict network policies that do not allow cloud access.

ERGONOMICS

Every aspect is **designed to be user-centric**. The touch display offers immediate and fast interactions, while the presence of a metallic physical button ensures a basic call is always accessible, making the use of Spark a smooth and enjoyable experience for every user.
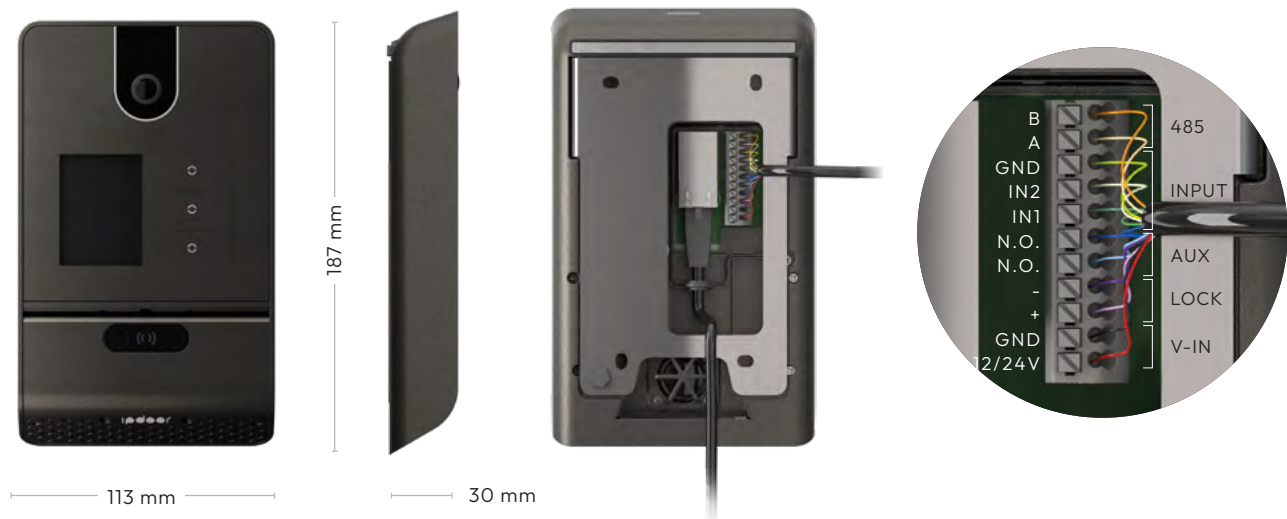
COLORS

SHADOW GREY

SILVER

MECHANICAL FEATURES	INSTALLATION	Surface mounting
	DIMENSIONS	187 x 113 x 30 mm
	MATERIAL	Painted metal
	COLOURS	● Shadow Grey - ● Silver
	WEIGHT	850 gr
	PROTECTION RATING	IP65 / IK08
	BUTTONS TYPE	N.3 Capacitive on metal with backlight
	POWER	PoE 802.3af / Local 24Vdc / 1A
	CONSUMPTION	2,5W (Standby) / 4W (Max)

DISPLAY	DIMENSIONS	2,4"
	TOUCH SCREEN	No
	RESOLUTION	240x320
	BRIGHTNESS	800 cd/m^2
	TYPE	BAR

VIDEO	TYPE	Simultaneous dual stream H265
	MAIN STREAM	Full HD 30fps@1920x1080
	SECONDARY STREAM	WQVGA 30fps@424x240

AUDIO	LOUDSPEAKER	1 x 2W
	MICROPHONES	N.2 digitals
	DSP	AEC, ANS, AGC

CAMERA	RESOLUTION	2576 x 1456
	VIEW ANGLE	H=170° V= 90°
	SENSOR	1/3" CMOS
	SENSITIVITY	Color 0.02 Lux - B/W 0.0 Lux with IR LED on
	ILLUMINATION	4 IR LED Illumination range 5m
	NIGHT VISION	Day/night mode with mechanical IR cut filter

CONNECTIVITY	ETHERNET	RJ45 10/100 Mbps
	WI-FI	2.4/5GHz IEE802.11 b,g,n,ac
	BLUETOOTH	4.2 / BLE
	RS485	RS485 Master/Slave; ASCII / Modbus RTU
	NFC	13.56 MHz, Read/Write. MIFARE: Classic, Ultralight, Plus, DESFire
	LTE	Optional in models with LTE module

INPUTS OUTPUTS	LOCK (ELECTRIC LOCK)	12Vdc@1A impulsive output
	AUXILIARY RELAY	NO dry contact output - 24Vdc@2A max (Monostable Programmable 1-30 sec)
	INPUTS	2 Optoisolated Pull-up inputs

SENSORS	MOVEMENT	Motion detection
	VANDALISM	Anti-shock and vibration sensor
	TAMPERING	Forced opening sensor

OPTIONAL MODULES	LTE	LTE module for 4G connectivity
	FACE RECOGNITION	Dual camera module for access control based on face recognition
	DDA	HL/IDL audio induction loop
	RF REMOTE CONTROL	433 MHz transceiver module

187 mm

113 mm

30 mm

B
A
GND
IN2
IN1
N.O.
N.O.
-
+
GND
12/24V

485
INPUT
AUX
LOCK
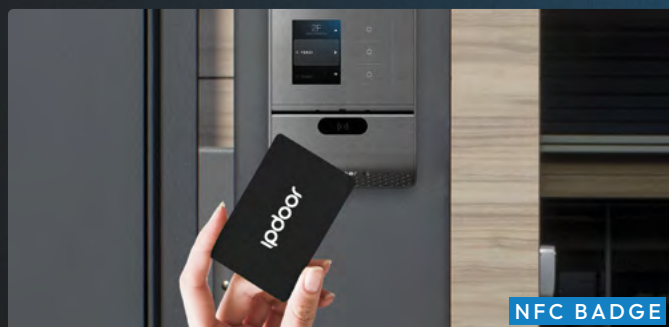V-IN

EXPLORE THE FEATURES AND OPTIONS

1 MULTIPLE ACCESS MODES

IpDoor Access supports a variety of access modes for flexibility and security. Users can choose from several options, including:

- **PIN code** for personalized access;
- **Mifare Badge**, practical and fast;
- **Mobile device NFC**;
- **QR Code**, ideal for temporary visitors or events;
- **Bluetooth**, for access with the smartphone in your pocket;

- **Facial recognition**, for maximum security;
- **Voice or geolocated commands**: for barrier-free access.

The system architecture allows for the creation of personal credentials for owners or employees, ensuring secure and controlled access. It also offers the possibility to generate temporary credentials for occasional guests, facilitating flexible and secure access management.
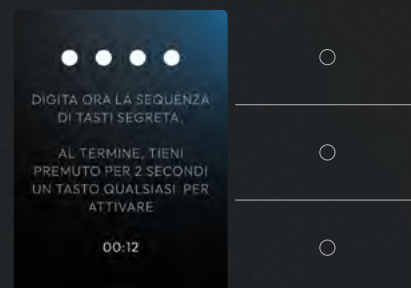

PIN CODE

NFC BADGE

NFC SMARTPHONE

QR CODE

BLUETOOTH

FACE RECOGNITION

* Facial Recognition function requires a dedicated door station version.

2 CUSTOMIZABLE INTERFACE

The high-resolution display allows for the creation of a personalized and distinctive user interface, transforming the entrance into a unique and welcoming experience.

This customization adds a touch of elegance and originality, reflecting the individual style of each building, whether residential or commercial.

CUSTOMIZABLE NAMES

GRAPHIC COMMUNICATION

PIN CODE ACCESS

INTEGRATED ACCESS CONTROL ECOSYSTEM

- ✓ REMOTE CONCIERGE MANAGEMENT
- ✓ LOG MANAGEMENT: IMAGE HISTORY
- ✓ INTEGRATION WITH KONE ELEVATORS

KONE

DISCOVER MORE

1. OUTDOOR DEVICES
Video intercom calling;
Door and gates control;
Access control for residents or workers;
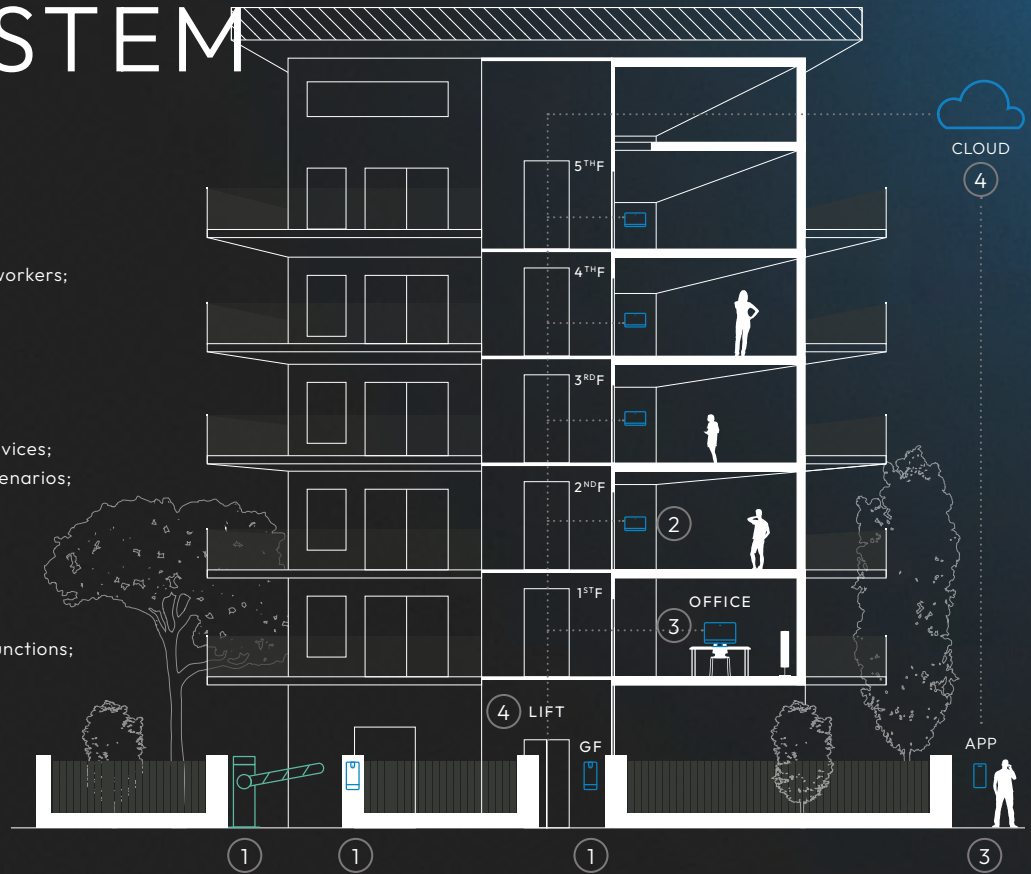Welcoming temporary guests;

2. INDOOR DEVICES
Answering video intercom calls;
Commanding physical access devices;
Controlling home automation scenarios;

3. SOFTWARE FOR REMOTE INTERACTION:
Mobile app with enhanced UX;
Computer app for centralized functions;
Concierge services;

4. API INTERFACES
Cloud and local interaction with third-party devices.

CLOUD

5TH F
4TH F
3RD F
2ND F
1ST F
OFFICE
LIFT
GF
APP

Spark is meticulously engineered to work in harmony with the IpDoor system. This integration brings key benefits for superior control and sophisticated management of access points, and ensures a seamless and efficient operation, elevating the standard of access control technology with a powerful device.

INTEGRATIONS

Thanks to IP technology and open APIs, the IpDoor system has high design flexibility, allowing you to integrate third-party systems in a secure and flexible way. This allows you to expand and customize, with other smart devices, a project without limitations, enriching your daily life with comfort and cutting-edge technology.

REAL-TIME DIAGNOSTICS

Real-time monitoring of the status and functionalities is possible. This advanced system provides detailed data and information on the operation of the plant, allowing for efficient maintenance and quick resolution of any problems or malfunctions. Predictive diagnostics and maintenance are facilitated by the development of a reliable system, managed through a proprietary console, thus ensuring an optimal user experience and simplified management of assistance, even remotely thanks to the intuitive control and monitoring app.

HOME AUTOMATION AND SCENARIOS

IpDoor allows the creation of automated scenarios for access management, ensuring greater security and more flexible and personalized control. IpDoor transforms every environment into a more connected and responsive space to individual needs, creating transit flows and automations that allow entry and movement in a fluid manner. Easy, like arriving home, seeing the front door opening, the driveway lights turning on, the entrance door opening and the elevator already ready to take me to my home floor.

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MADE IN ITALY

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