ipdoor

SPARK

DOOR STATION SURFACE MOUNTED - 4" TOUCH DISPLAY

3001 / 3004

SPARK

THE NEW ACCESS CONTROL AND SMART VIDEO INTERCOM SYSTEM

With **Spark**, the entrance of your building is marked by a unique device. Starting from classic video intercom functions, it extends to access control and welcoming, becoming a fully programmable and flexible device to make each entrance unique and tailored to every need.

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. Recessed solutions blend with the wall surface, and surface-mounted solutions are connected through a limited thickness and a sophisticated profile design.

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"**: ideal for companies with strict network policies that do not allow cloud access.

In both cases, a robust, secure, and adaptable system architecture is guaranteed, meeting a wide range of installation and operational needs.

ROBUSTNESS AND SECURITY

Spark combines **mechanical strength and waterproofing**, with a metal casing and front plate, and cable entry protections. 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, thus offering a high level of proactive security.

ERGONOMICS

Every aspect is designed to be **user-centric**, ensuring an **easy, intuitive, and simple experience**. Installation flexibility is key, with models suitable for both recessed and surface mounting, eliminating the need for additional space for cables and connectors behind the door station. The **touch display offers immediate and fast interactions**, while the presence of a physical metal button ensures a basic call always accessible, making the use of Spark a smooth and enjoyable experience for every user.
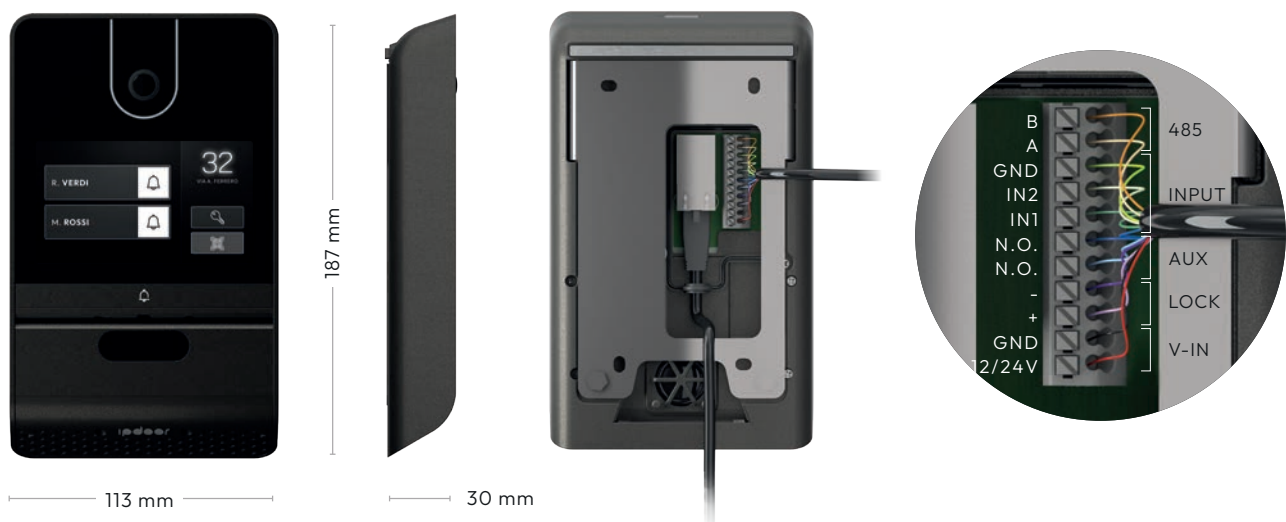
COLORS

SHADOW GREY

SILVER

		3001	3004
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 / IK07	
	BUTTONS TYPE	N.1 Capacitive on metal with backlight	N.4 Capacitive on metal with backlight
	POWER	PoE 802.3af / Local 24VDc/1A	
DISPLAY	DIMENSIONS	4"	
	TOUCH SCREEN	Capacitive with rain proof	
	RESOLUTION	1280 x 720	
	BRIGHTNESS	1100 cd/m2	
	TYPE	IPS	
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	
	RELAY	NO contact 24Vdc@2A max (Monostable Programmable 1-30 sec)	
	INPUTS	2 Optoisolated Pull-Up Inputs	
SENSOR	MOVEMENT	Radar (distance and direction up to 5 meters)	
	VANDALISM	Anti-shock and vibration sensor	
	TAMPERING	Forced opening sensor	
OPTIONAL MODULES	LTE	LTE module for 4G connectivity. Includes data traffic fee	
	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 — 485
IN2
IN1 — INPUT
N.O.
N.O. — AUX
- — LOCK
+
GND — V-IN
12/24V

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, practical and fast **Badge**, **Mobile Device NFC** and **QR Code** (ideal for temporary visitors or events), **Bluetooth** (for access with the smartphone in your pocket) and **Face 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

QR CODE

NFC BADGE

NFC SMARTPHONE

BLUETOOTH

FACE RECOGNITION

* Facial Recognition function requires a dedicated door station version.

② **INTERACTIVITY**

IpDoor Access stands out for its high interactivity, thanks to advanced sensors that detect the presence of people from a distance and welcome them in innovative ways:

✓ Through graphics on the display, with attractive and distinctive indications to guide and inform.

✓ Through lighting, with white lights and colored LEDs providing intuitive visual indications.

✓ With voice messages, pronouncing stored texts to instruct how to interact or where to go, including personalized messages for the entry of known people.

This combination of technologies makes the user experience of IpDoor Access unique, welcoming, and highly functional.

③ **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.

INTEGRATED ACCESS CONTROL ECOSYSTEM

1 OUTDOOR DEVICES

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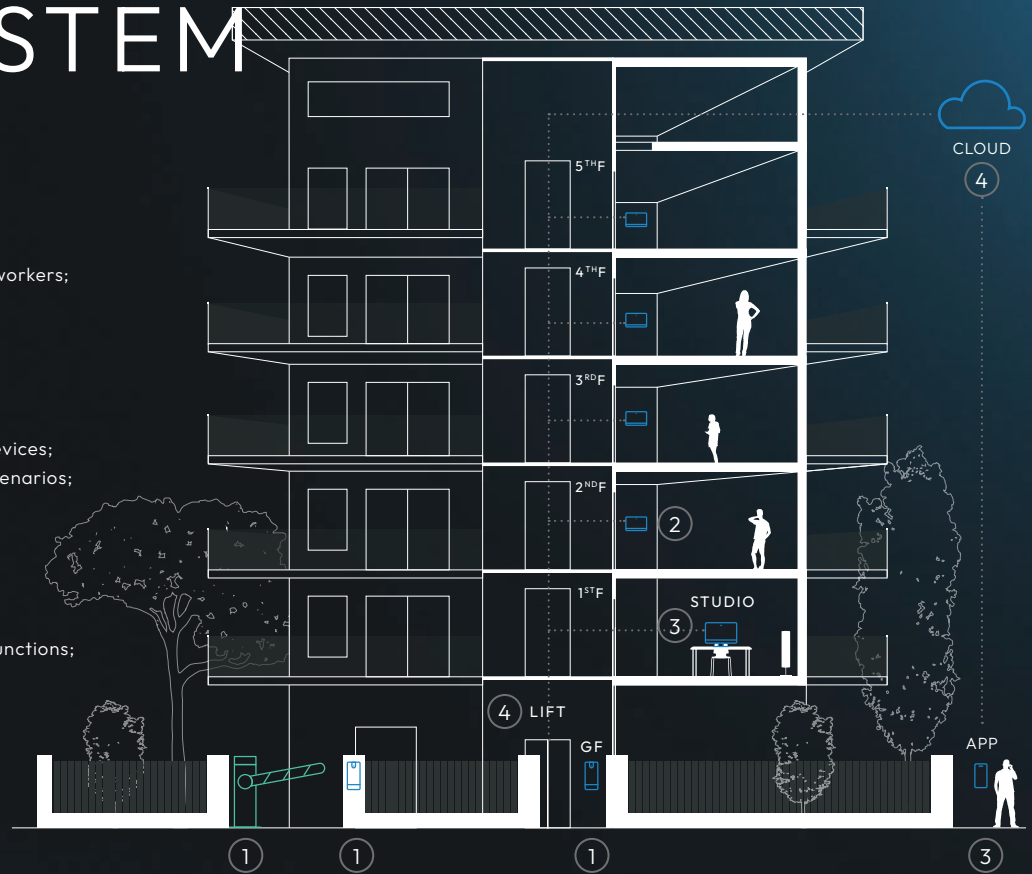Welcoming temporary guests;

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
STUDIO
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 gate opening, the driveway lights turning on, the entrance door opening and the elevator ready to take me to my home floor.

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MADE IN ITALY

VER.01/2024

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