ACCESS HUB 3.0
Product Sheet

Our flagship access control device, used for access control, management and monitoring. Provides access via Bluetooth and LAN, with modular NFC and touch-button.

For other installation guides or products sheet, see documents.sensorberg.com

PRODUCT DETAILS

Power supply	PoE+ (12v power adapter available upon request)
Supply voltage	up to 48 V DC (commonly 12V DC, managed by PoE+ switch)
Power consumption	2-3W (idle) | 11W (maximum)
Temperature	-20°C to +50°C

Case (2 parts)	Front: RAL 7016 anthrazite grey
	Back: Semi-transparent
Customization	Logo and case (upon request)

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CPU	ARM Cortex-A53
Microprocessor	1200 Mhz
Cores	4
Memory Ram	1 GB of LPDDR2-SDRAM
Storage	4 GB eMMc storage
LED	3 RGB LEDs on the top for status indication
Other	Onboard speaker (optional sound signals)
	Several extention boards available (upon request)

Supports	BLE, NFC, Magnetic field technology

Measures

122 mm

100 mm   35 mm
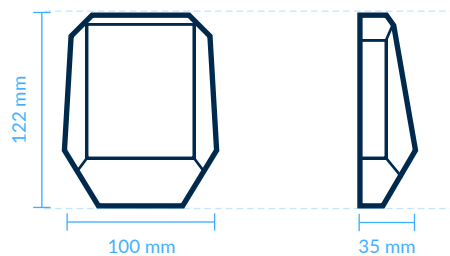
ELECTRICAL CONNECTIONS
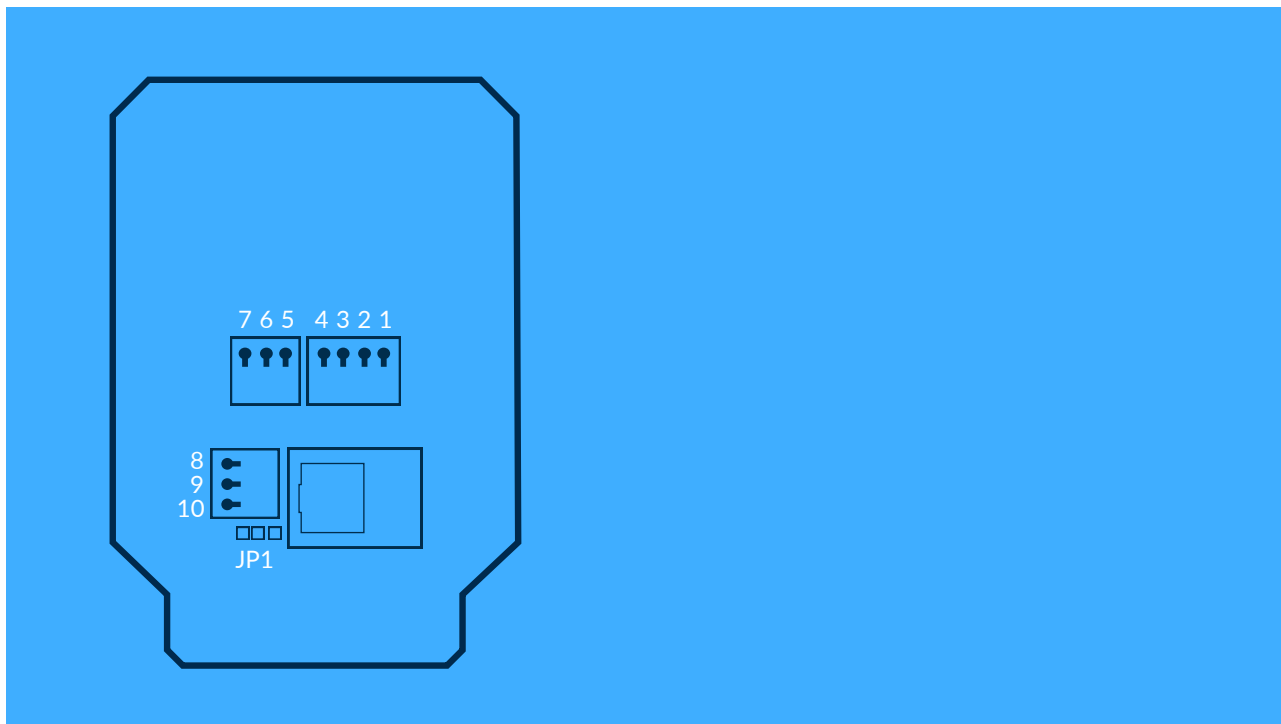
Terminal	Function
1	V in (Up to 48V)
2	V out (potential free contact 1 | max. 600mA)
3	V out (potential free contact 2 | max. 600mA)
4	V out (potential free contact 3 | max. 600mA)
5	12V out for indication signal
6	Indication NO
7	Indication NC
8	Optional V in (change jumper position*)
9	12V switchable power output (max. 600mA)
10	GND
JP1	Jumper for door opener supply

*Left: Normal mode 12V out on terminal 9. Terminal 8 not used

Right: Optional V in from terminal 8 used for door opener supply on terminal 9

INSTALLATION TIPS

- The access hub next to the door will be powered with a POE+ 802.3at.

- Ethernet has to be routed in a separate VLAN, exclusive for Sensorberg devices.

- A building appliance in the server room connected in the same VLAN increases security of the solution even further.

- For further use cases Sensorberg offers multiple extension boards to control lockers, elevators, security sensors or external sensors via zWave with the same hardware.

SUPPORTED DOOR LOCKS

Electrical Strikes
- The Sensorberg Access Hub supports all doors that open with a 12V-24V switchable signal (e.g. door buzzer).

- It also works with motorized locks up to 48V, as long as they open with the potential free contact.

Motorised locks, intercom and other locks
- The Sensorberg Access Hub connects to motorised locks and bell systems via a potential free contact.

- All locks that open with a potential free contact for opening are supported by the Sensorberg hardware.

- The maximum voltage input for potential free openings is 48V.