# SENSORBERG

## ACCESS HUB
## 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 documentation, check
documents.sensorberg.com

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# 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 |

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| | |
|---|---|
| **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) |

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| | |
|---|---|
| **Supports** | BLE, NFC, Magnetic field technology |

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**Measures**



122 mm · 100 mm · 35 mm
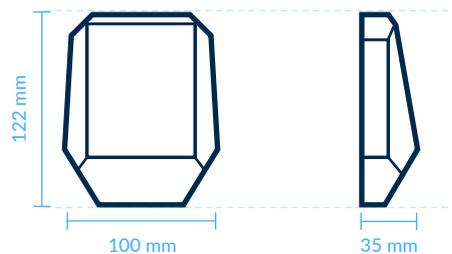
# ELECTRICAL CONNECTIONS
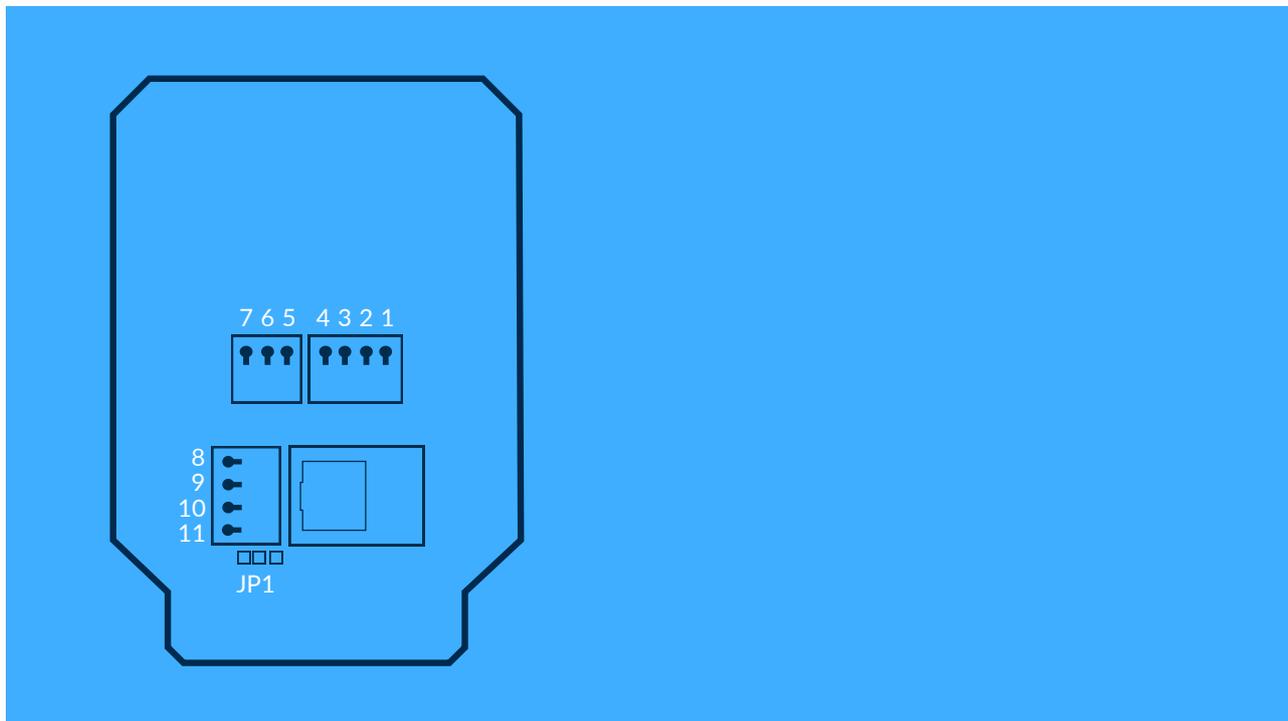


| Terminal | Function |
|---|---|
| 1 | **V in** (Up to 48V) |
| 2 | **V out** (potential free contact 1 \| max. 600mA) |
| 3 | **V out** (potential free contact 2 \| max. 600mA) |
| 4 | **V out** (potential free contact 3 \| max. 600mA) |
| 5 | 12V out for indication signal |
| 6 | Indication NO |
| 7 | Indication NC |
| 8 | Optional V in (change jumper position*) |
| 9 | 12V switchable power output (max. 600mA) |
| 10 | GND |
| 11 | 12V power output (max. 1A) |
| 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.