

## EXTENSION HUB

### Product Sheet

Provides relays to control access and electrical locks. The Extension Hub works in combination with other Sensorberg products (e.g. Access Hub Protect, Access Hub Lite) and cannot be used as a stand alone product.

For other installation guides or products sheet, see [documents.sensorberg.com](https://documents.sensorberg.com)



Sensorberg GmbH  
Chausseestraße 84  
10115 Berlin, Germany

[support@sensorberg.com](mailto:support@sensorberg.com)  
Support: +49 30 62 20 80 75  
Sales: +49 30 62 20 80 73

## 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

Dimensions	120mm x 135mm
------------	---------------

Case	Different size depending on how many stacked boards there are. More information <a href="#">here</a>
------	---

CPU	ARM Cortex-A53
Cores	4
Memory Ram	1 GB of LPDDR2-SDRAM
Storage	4 GB eMMC storage

Other	It is possible to stack up to 8 relay boards in order to have 128 ports in total
-------	--


Supports	BLE
----------	-----

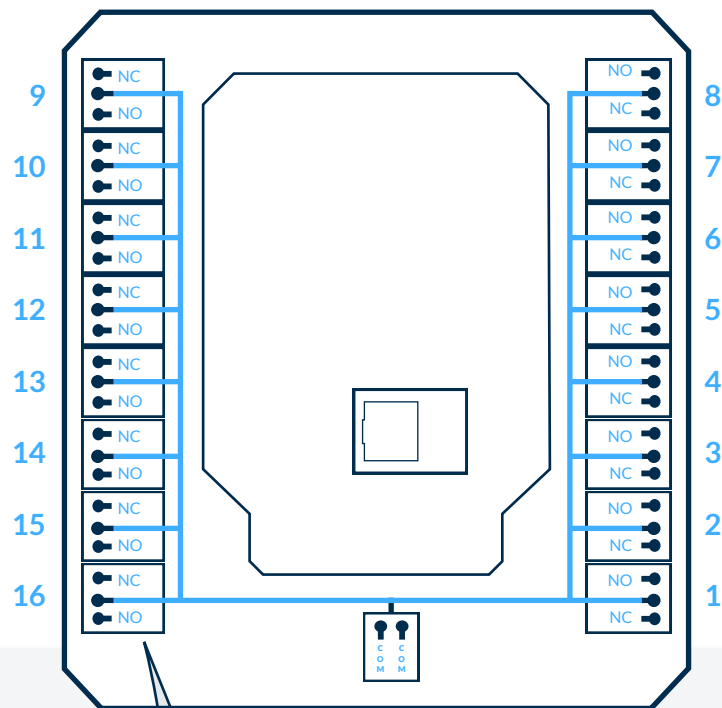
## INSTALLATION TIPS

- The Extension Hub needs to be powered with POE+ 802.3at.
- Ethernet has to be routed in a separate VLAN, exclusive for Sensorberg devices.

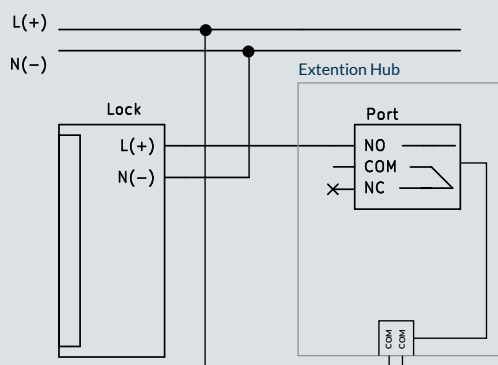
Check out the [Extension Hub installation guide](#).

# ELECTRICAL CONNECTIONS

Terminal	Function	
1-16	30 VDC, 2 A (resistive)	 <b>NO</b> Normally Open  <b>NC</b> Normally Closed
	110 VDC, 0.3 A (resistive)	
	125 VAC, 0.5 A (resistive)	



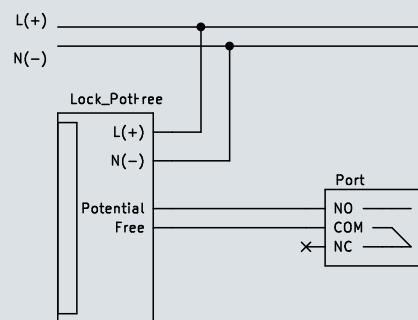
## Load Switching



## Optional

### Potential free switch

Only possible if the bridge is cut (see the right picture).



Ex. Bridge cut



## USE CASES

### Doors

---

Up to 128 locks - It does not work with southCo nor Häfele locks.

