



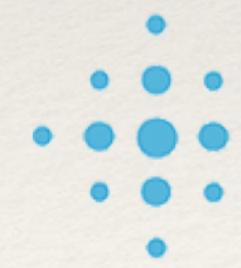
 Bluetooth®



Materialien im Krankenhaus wiederfinden

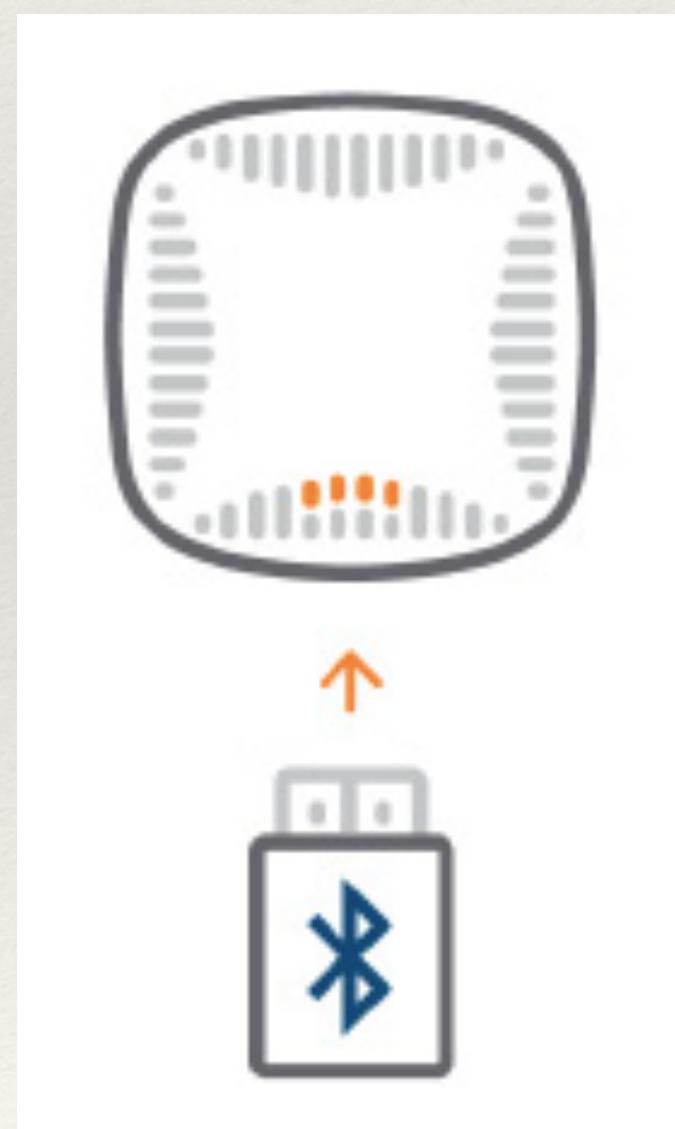
Adam Mechouate

Hospittracking

 **hospicall**
Rufsysteme

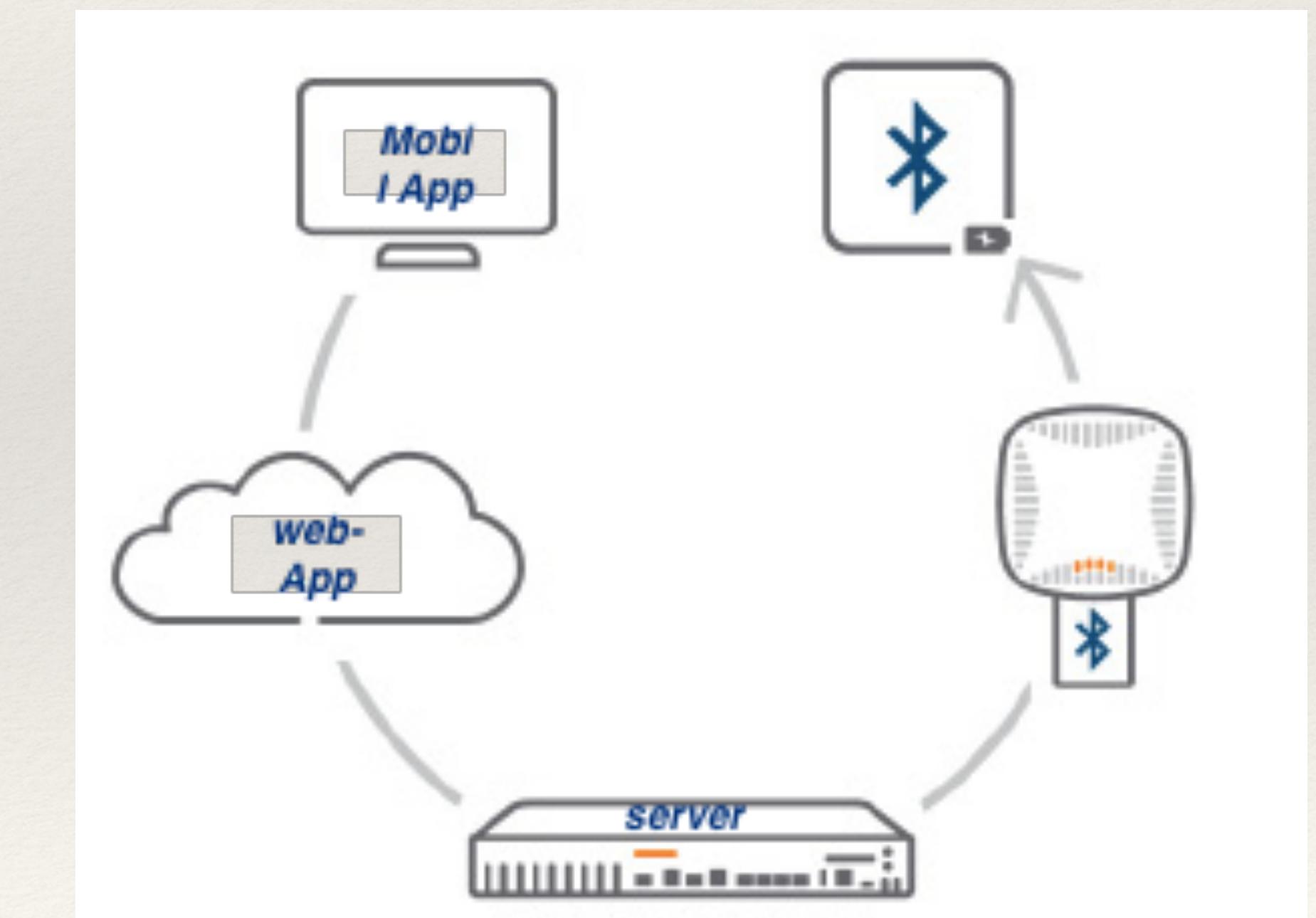
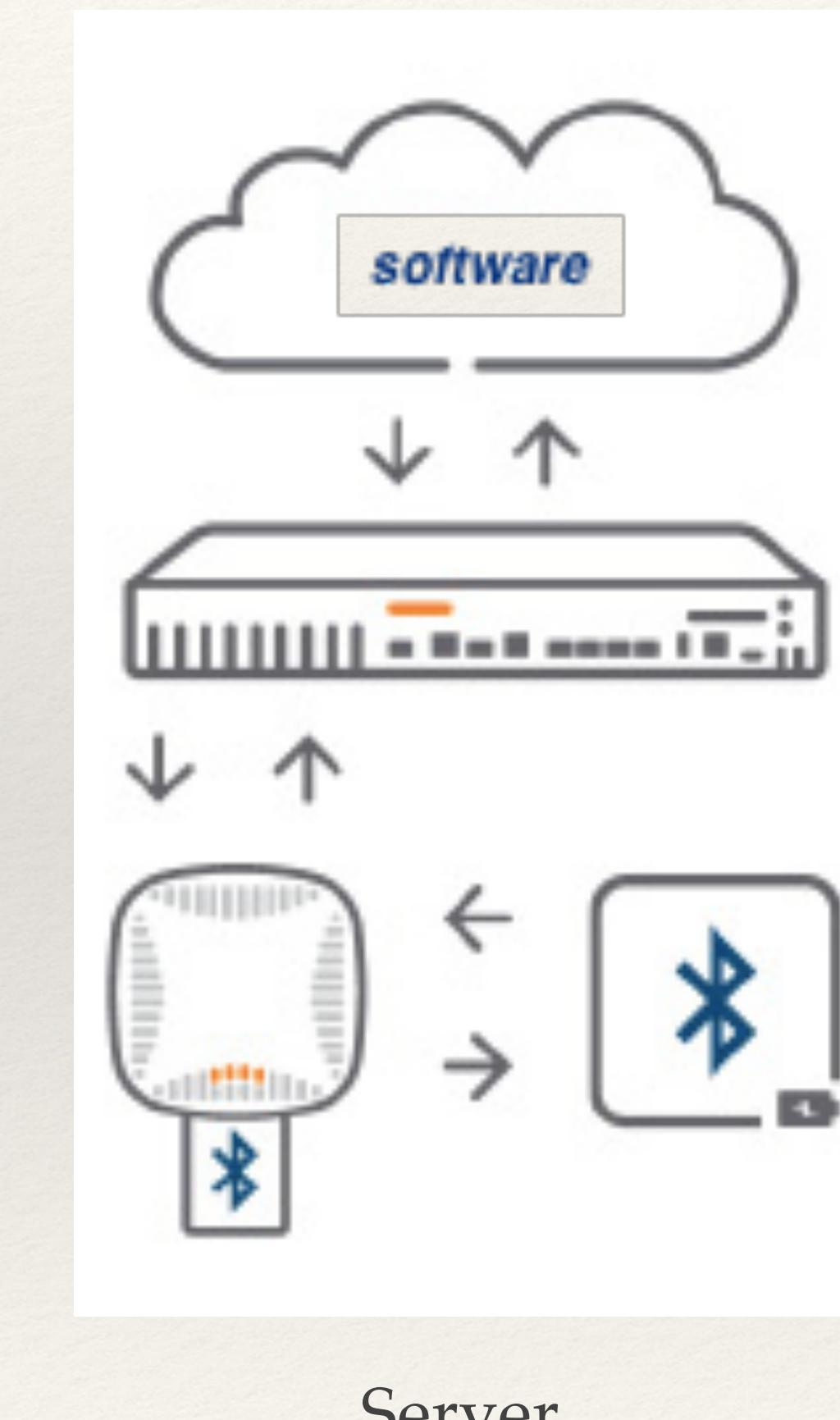
Materialien im Krankenhaus wiederfinden !

- ❖ Was brauchen wir dafür ?

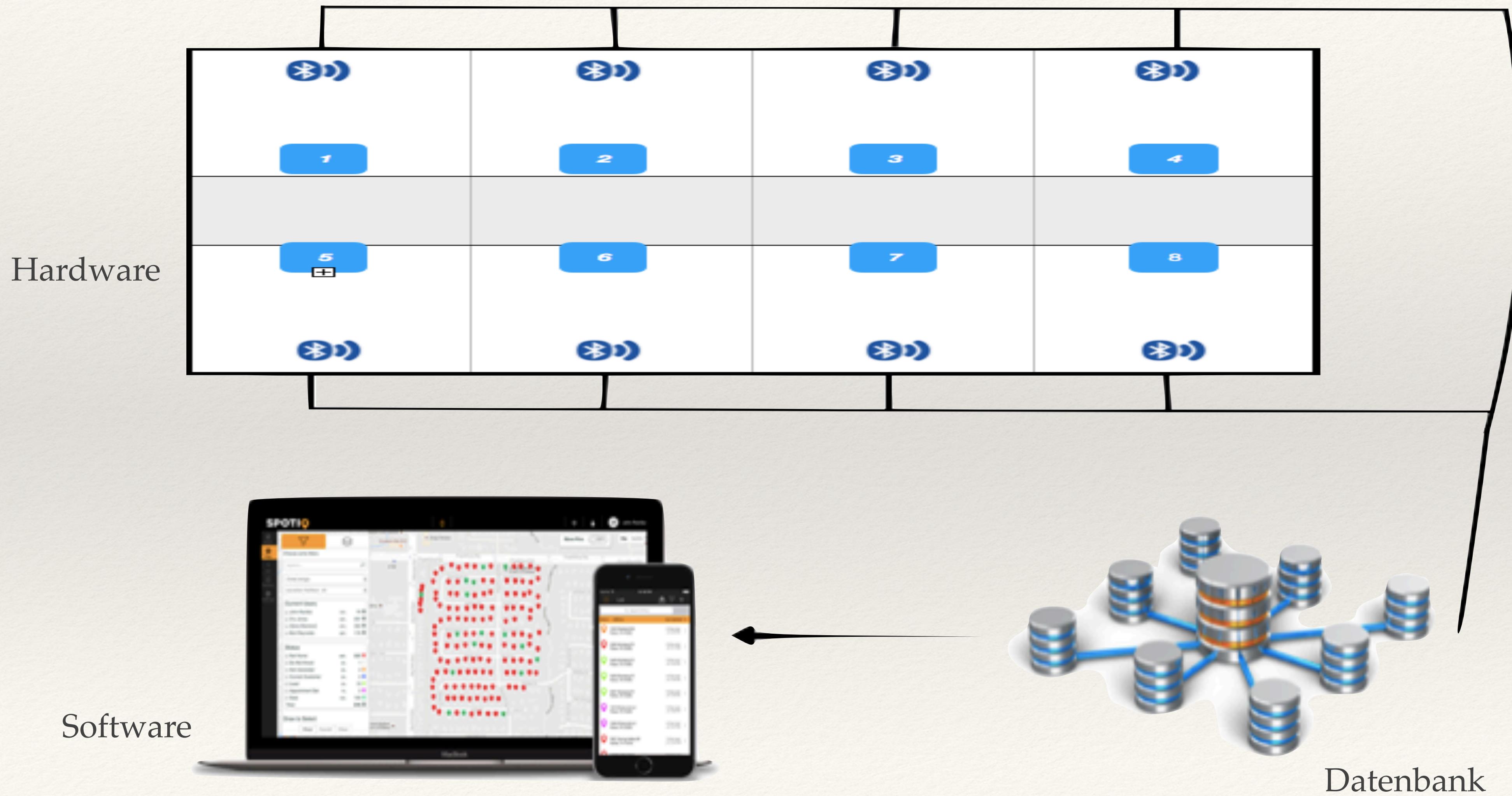


Hardware :

Active RFID Tag & RFID UHF Reader

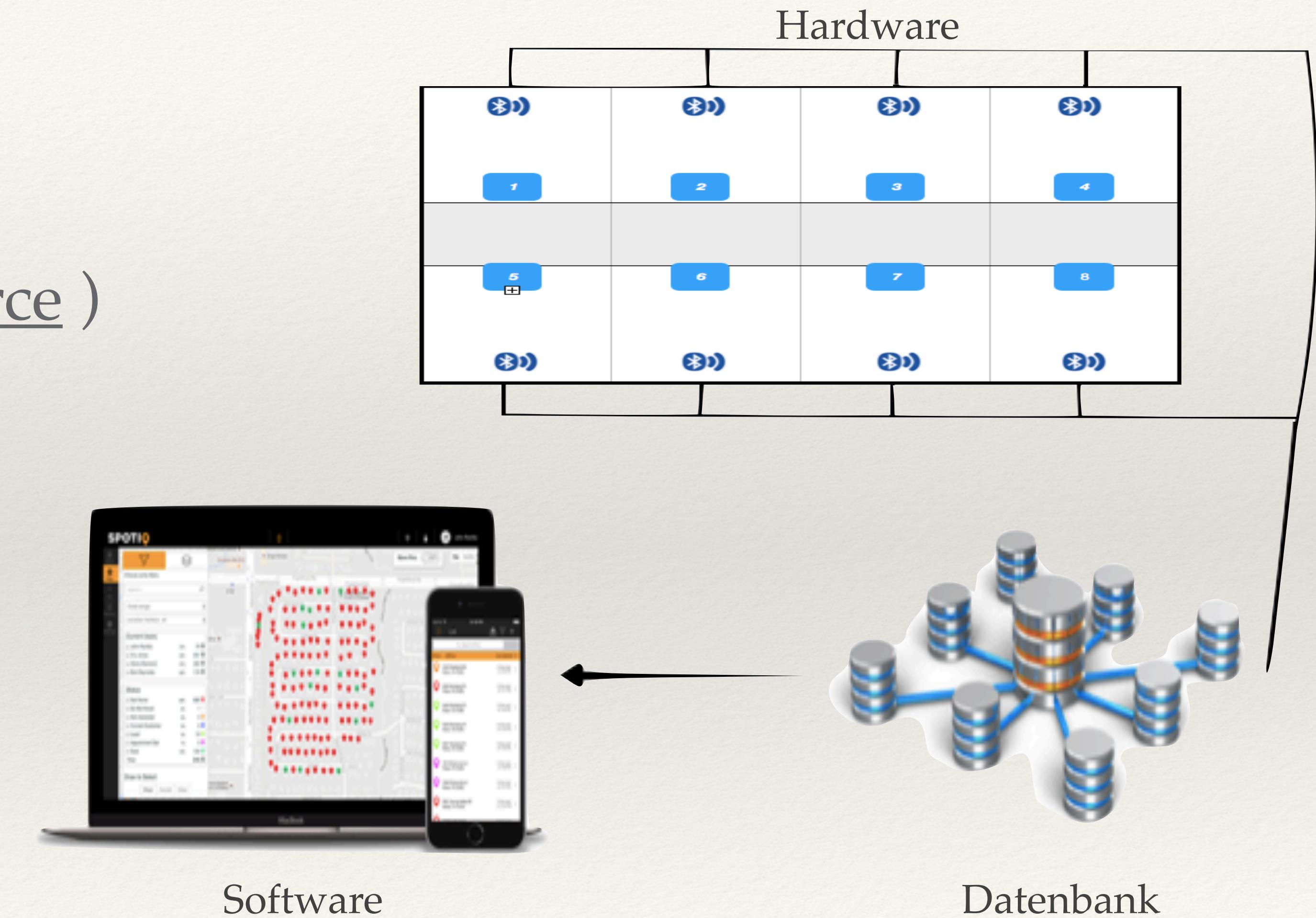


Wie funktioniert das ?



Softwareentwicklung

- ❖ Datenbank My SQL ([open-source](#))
- ❖ Web-App PHP
- ❖ Mobile App Android Studio



Bluetooth is Changing the Face of Healthcare



- ❖ Today's consumers want to control and manage their own health, and a standardized wireless approach for communication between devices gives them that ability. Just about every new health tracking platform—including Apple HealthKit and Google Fit—uses Bluetooth to ensure device and data interoperability.



Bluetooth is the ideal wireless standard for hospital



- ❖ Bluetooth with low energy offers highly secure 128-bit AES encryption to keep data safe during transmission. Privacy features also make it difficult to track a device through its Bluetooth connection. All of this keeps the user in control.
- ❖ The frequency-hopping Bluetooth radio virtually eliminates network interference and provides strong immunity to RF noise sources such as electrosurgical devices and common household appliances.



Bluetooth enabled medical devices are changing the way we take care of ourselves



- ❖ Secure, trusted and super-efficient Bluetooth technology is enabling the connectivity of millions of health and medical devices, with tens of millions more on the way.
- ❖ An apple a day is no longer enough to keep the doctor away. Now, patients can help keep themselves healthy using a wide range of medical devices—all connected via Bluetooth technology.



Hardware kosten



A screenshot of an AliExpress product page for "SHENGHUA RFID Store". The product is described as "1000 pz/pacco Gestione Biblioteca UHF Tag Disco Smart Chip EPC GEN2 Passivo Tag RFID per il Sistema di Controllo di Accesso di Sicurezza e Protezione". The price is listed as € 111,91 / lotto 1000 parti / lotto, € 0,12 / parte. The total price for one item is € 120,68. The page includes a "Guarda titolo originale in inglese" link, shipping information to France (€ 8,77), and payment options. Logos for CE, RoHS, and EPCglobal are present at the bottom.



Hardware kosten

hospicall
Rufsysteme



AliExpress™

Sto acquistando... Tutte le categorie ▾ Carrello Lista dei desideri Sign in Iscri... Il mio AliExpress New here? Get you!

SHENGHUA RFID Store Aperto: 4 year(s) Nessun punteggio di resoconto ▾ Follow

Tutte le categorie > Sicurezza e Protezione > Controllo di accesso > Carte di Controllo di accesso

SHENGHUA Professional In RFID Tags

1000 pz/pacco Gestione Biblioteca UHF Tag Disco Smart Chip EPC GEN2 Passivo Tag RFID per il Sistema di Controllo di Accesso di Sicurezza

Guarda titolo originale in inglese

Prezzo: **€ 111,91** / lotto 1000 parti / lotto, € 0,12 / parte

Spedizione: **€ 8,77 a Francia tramite AliExpress Standard Shipping** Consegna: 14-17 giorni

Quantità: - 1 + lotto (999999 lotti disponibili)

Prezzo totale: **€ 120,68**

Acquista ora Aggiungi al carrello

Aggiungi alla Lista dei Desideri

Resi accettati se il prodotto non corrisponde alla descrizione, I spedizione del reso sono a carico dell'acquirente; oppure è possibile conservare il prodotto e concordare il rimborso con il venditore Visualizza dettagli ▾



Safari Ablage Bearbeiten Darstellung Verlauf Lesezeichen Fenster Hilfe

marktrace.com

stickers to e Biblioteca RF... 1000 pz/pac... Favoriti Transponder... rfid antenna... Products... UHF tags | H... 2.4G Active... RFID System...

2.4G ACTIVE RFID TAG MR3840T

HOME / PRODUCTS / 2.4G ACTIVE RFID TAG MR3840T

CONTACT US

Online Service

PROJECT DETAILS

PRODUCT NAME: 2.4G Active RFID Tag MR3840T

PRODUCT MODEL: MR3864

PRODUCT CATEGORY: 2.4G ACTIVE TAG

2.4G ACTIVE TAG

2.4G RFID READER

UHF RFID ANTENNA

UHF RFID READER

Online Service

Product overview



Usb rfid uhf reader e writer 860 Mhz ~ 960 Mhz con Inglese manuale utente del software demo SDK source codice

Guarda titolo originale in inglese

★★★★★ 5.0 (11 voti) | 10 ordini

Prezzo: € 65,43 / parte

Prezzo scontato: **€ 59,54** / parte -9% | 4 giorni rimanenti

Get our app to see exclusive prices ▾

Spedizione: Spedizione gratuita a Francia tramite AliExpress Standard Shipping

Consegna: 14-17 giorni

Quantità: - 1 + parte (49 parti disponibili)

Prezzo totale: **€ 59,54**

Acquista ora Aggiungi al carrello

Aggiungi alla Lista dei Desideri (34 Aggiunti) ▾

Hardware kosten



Safari Ablage Bearbeiten Darstellung Verlauf Lesezeichen Fenster Hilfe

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2.4G ACTIVE RFID TAG MR3840T

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Live 888

PROJECT DETAILS

PRODUCT NAME: 2.4G Active RFID Tag MR3840T

PRODUCT MODEL: MR3840

PRODUCT CATEGORY: 2.4G ACTIVE TAG

2.4G ACTIVE TAG

2.4G RFID READER

UHF RFID ANTENNA

UHF RFID READER

2.4G ACTIVE TAG

2.4G ACTIVE TAG

2.4G ACTIVE TAG

2.4G ACTIVE TAG

QQ Online service

Online Service

Product overview

Gesamt kosten

Active RFID Tag (Stiker)	120 euro pro 1000 Stück (0,12 pro Stück)
RFID UHF Reader/ Antenne	Zwischen 60 und 100 euro pro Stück
Server	Schon vorhanden
Mobile App & Web-App	Werden in der Firma Entwickelt



Safari Ablage Bearbeiten Darstellung Verlauf Lesezeichen Fenster Hilfe

it.aliexpress.com

Negozi: SHENGHUA RFID Store Aperto: 4 years Nessun punteggio di riscontro ▾ Follow

Home > Tutte le categorie > Sicurezza e Protezione > Controllo di accesso > Carte di Controllo di accesso

SHENGHUA Professional In RFID Tags

1000 pz/pacco Gestione Biblioteca UHF Tag Disco Smart Chip EPC CLASS1 GEN2 Passivo Tag RFID per il Sistema di Controllo di Accesso di Sicurezza

Guarda titolo originale in inglese

Prezzo: US \$130.00 / lotto 1000 parti / lotto , US \$0.13 / parte

Spedizione: US \$11.44 a United States tramite AliExpress Standard Shipping Consegna: 19-39 giorni

Quantità: - 1 + lotto (999999 lotti disponibili)

Prezzo totale: US \$141.44

Acquista ora Aggiungi al carrello

Aggiungi alla Lista dei Desideri

Resi Resi accettati se il prodotto non corrisponde alla descrizione, le spese di spedizione del reso sono a carico dell'acquirente; oppure è possibile conservare il prodotto e concordare il rimborso con il venditore Visualizza dettagli

CE RoHS EPGLB

Q. Posiziona il mouse sopra per ingrandire

Garanzia del venditore: 60 giorni

Consegna puntuale: 60 giorni

Pagamento: VISA MasterCard American Express Bank Transfer Visualizza di più

Safari Ablage Bearbeiten Darstellung Verlauf Lesezeichen Fenster Hilfe

rfdolutions.de

Bauart: Frequenz: Chip-Typ:

Klebe-Etikett Alle EPC C102

Transponder (94)

Leser (56)

Antennen (18)

3 Produkte ausgewählt.

Siegel, Führerscheinseiegel (UHF)

Frequenz: 840-960 MHz Bauart: Klebe-Etikett, Siegel, Sicherungsplombe Material: Papier

Einweg-Sicherungs-Tag (UHF) (Seal Label, one time seal)

Frequenz: 840-960 MHz Bauart: Klebe-Etikett, Siegel, Sicherungsplombe Material: PET/Papier

Anwendungen: Dokumentensicherung, Siegelfunktionalität, Sicherungsplombe, Sonderanfertigungen auf Anfrage!

Klebe-Etikett-Transponder (UHF) (Smart Label)

Frequenz: 840 - 960 MHz Bauart: Etikett (Label) Material: Papier/PET

Eine Bedruckung oder Lasergravur ist ab 1000 Stück möglich.

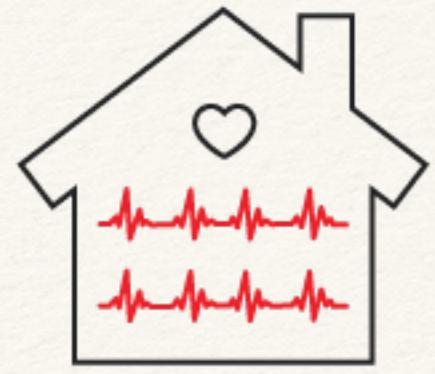
Bibliographie & Webographie



- ❖ <https://it.aliexpress.com/item/Usb-rfid-uhf-reader-e-writer-860-Mhz-960-Mhz-con-inglese-manuale-utente-del-software/32672457722.html>
- ❖ <https://www.bluetooth.com/what-is-bluetooth-technology/where-to-find-it/medical-health>
- ❖ https://it.aliexpress.com/promotion/promotion_rfid-library-system-promotion.html
- ❖ https://it.aliexpress.com/wholesale?catId=0&initiative_id=AS_20170927041607&SearchText=rfid+uhf+reader
- ❖ <https://it.aliexpress.com/item/19pcs-Lot-6dBi-RFID-UHF-reader-antenna-UHF-antenna-RFID-antenna-For-a-Special-Ana/32616800950.html>
- ❖ <https://it.aliexpress.com/item/125Khz-RFID-Reader-EM4100-USB-Proximity-Sensor-Smart-Card-Reader-no-drive-issuing-device-EM-ID/32788404347.html>



Danke für Ihre Aufsamkeit



 **Bluetooth®**

the global wireless standard for simple, secure connectivity.

**Bluetooth® Basic Rate/
Enhanced Data Rate (BR/EDR)**
for continuous connections



point-to-point (1:1)

- audio streaming
 - wireless headsets
 - wireless speakers
 - in-car audio

point-to-point (1:1)

- data transfer
 - sports & fitness devices
 - health & wellness devices
 - peripherals & accessories

broadcast (1:m)

- localized information
 - point of interest beacons
 - item finding beacons
 - way finding beacons

mesh (m:m)

- large device networks
 - building automation
 - wireless sensor networks
 - asset tracking

