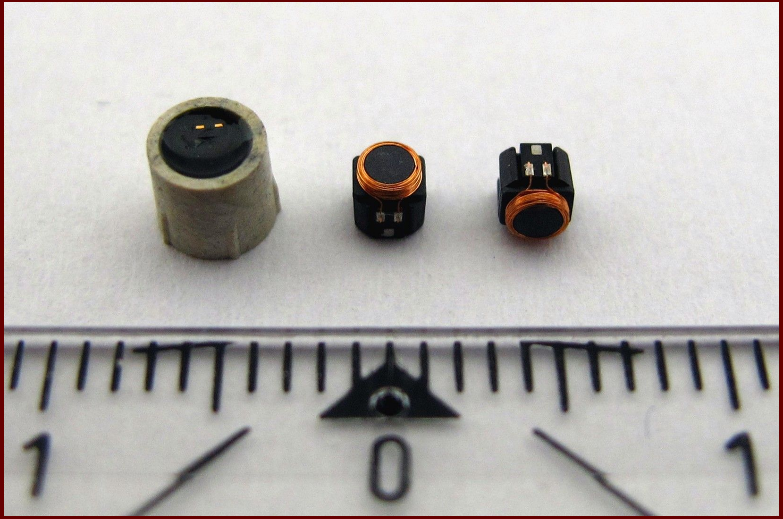
RFID: An Introduction and Demo

What is it?



- Radio-Frequency IDentification
- Tags hold information, readers get it with radio waves

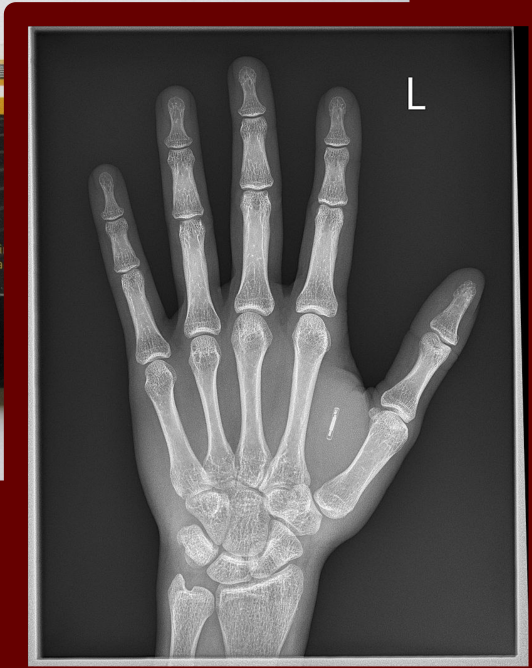
Image: wdwd [CC BY-SA 3.0 (https://creativecommons.org/licenses/by-sa/3.0)]

But why tho??

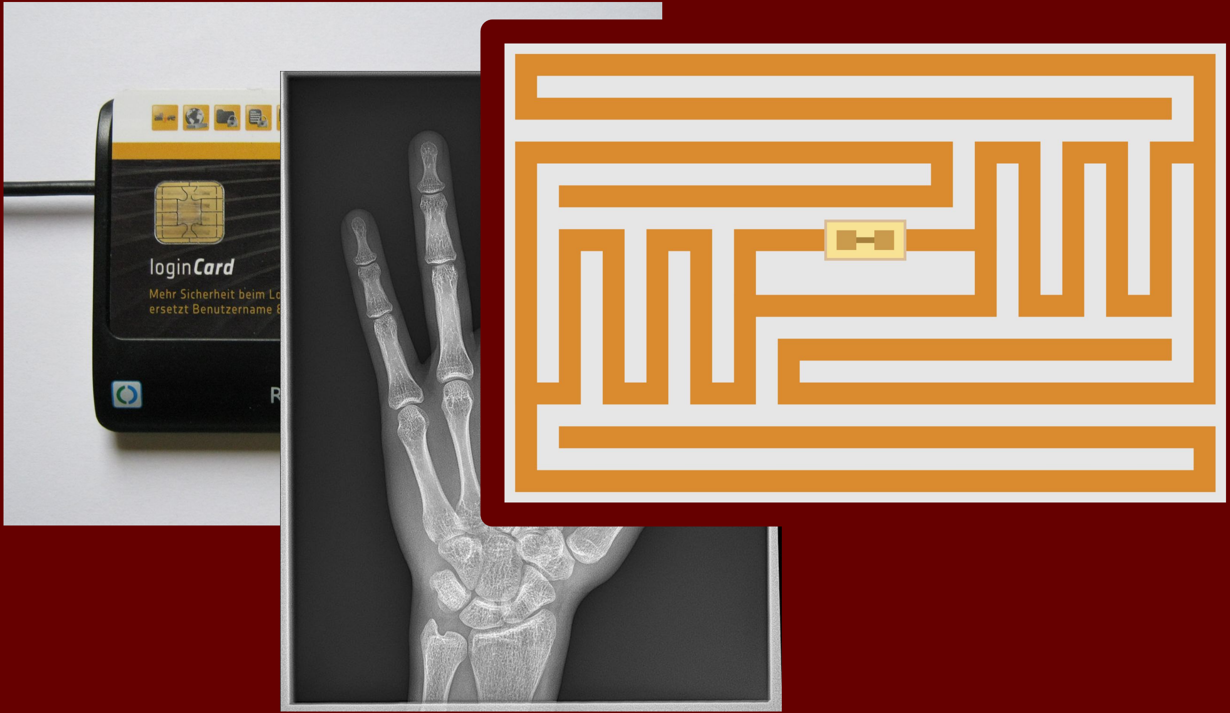
REINERSCT
loginCard
Mehr Sicherheit beim Login, diese Karte ersetzt Benutzername & Passwort.
REINERSCT

But why tho??

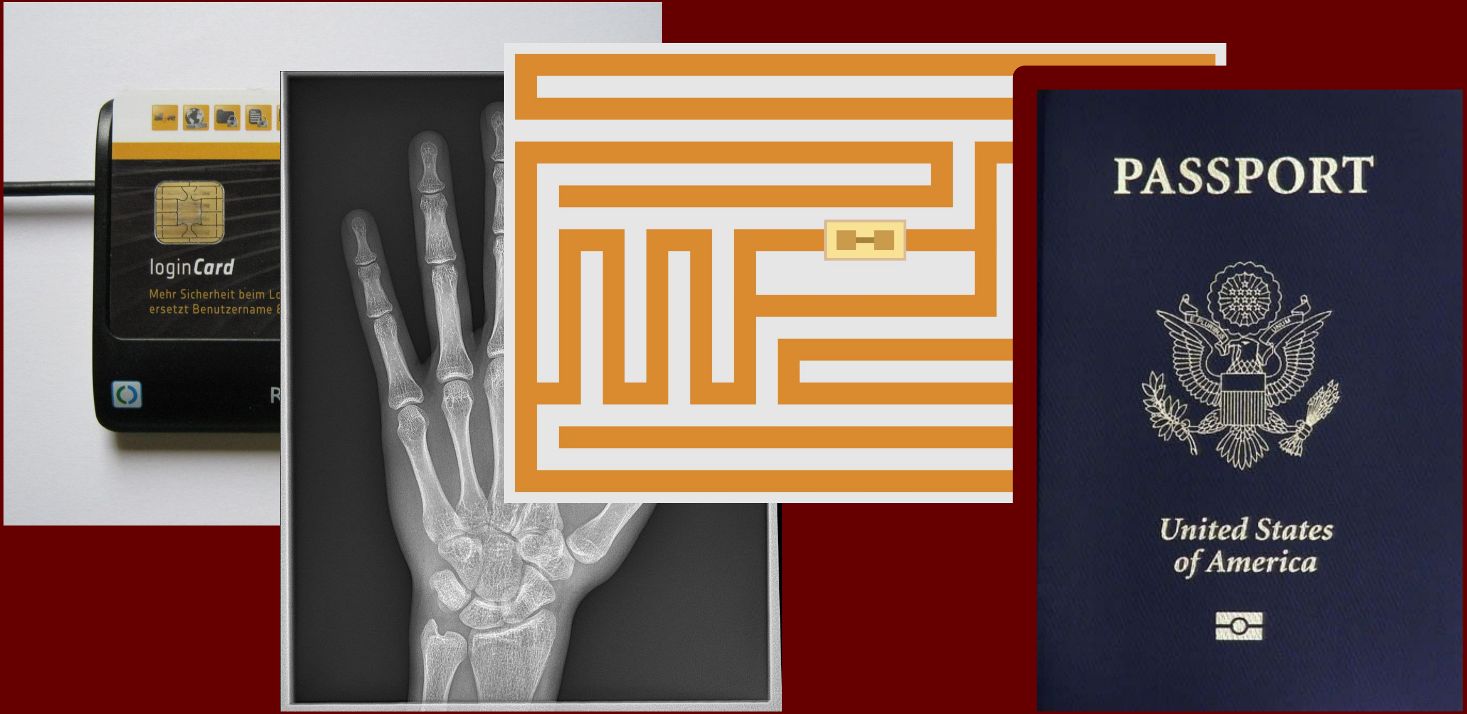
loginCard
Mehr Sicherheit bei
ersetzt Benutzerna



But why tho??


loginCard
Mehr Sicherheit beim Lo
ersetzt Benutzername

But why tho??


loginCard
Mehr Sicherheit beim Lo
ersetzt Benutzername
PASSPORT
United States of America

But why tho??

loginCard
Mehr Sicherheit beim Lo
ersetzt Benutzername &

ALDRICH
2,6-Dimethoxyphenol

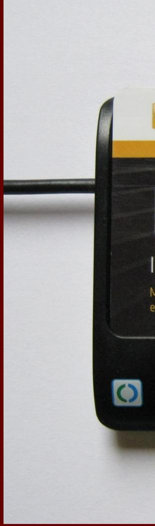
of America

But why tho??

loginCard
Mehr Sicherheit beim Lo
ersetzt Benutzername &

958←902
Sixth Ave
1←65
est 34th St
ONE WAY

MOTOROLA



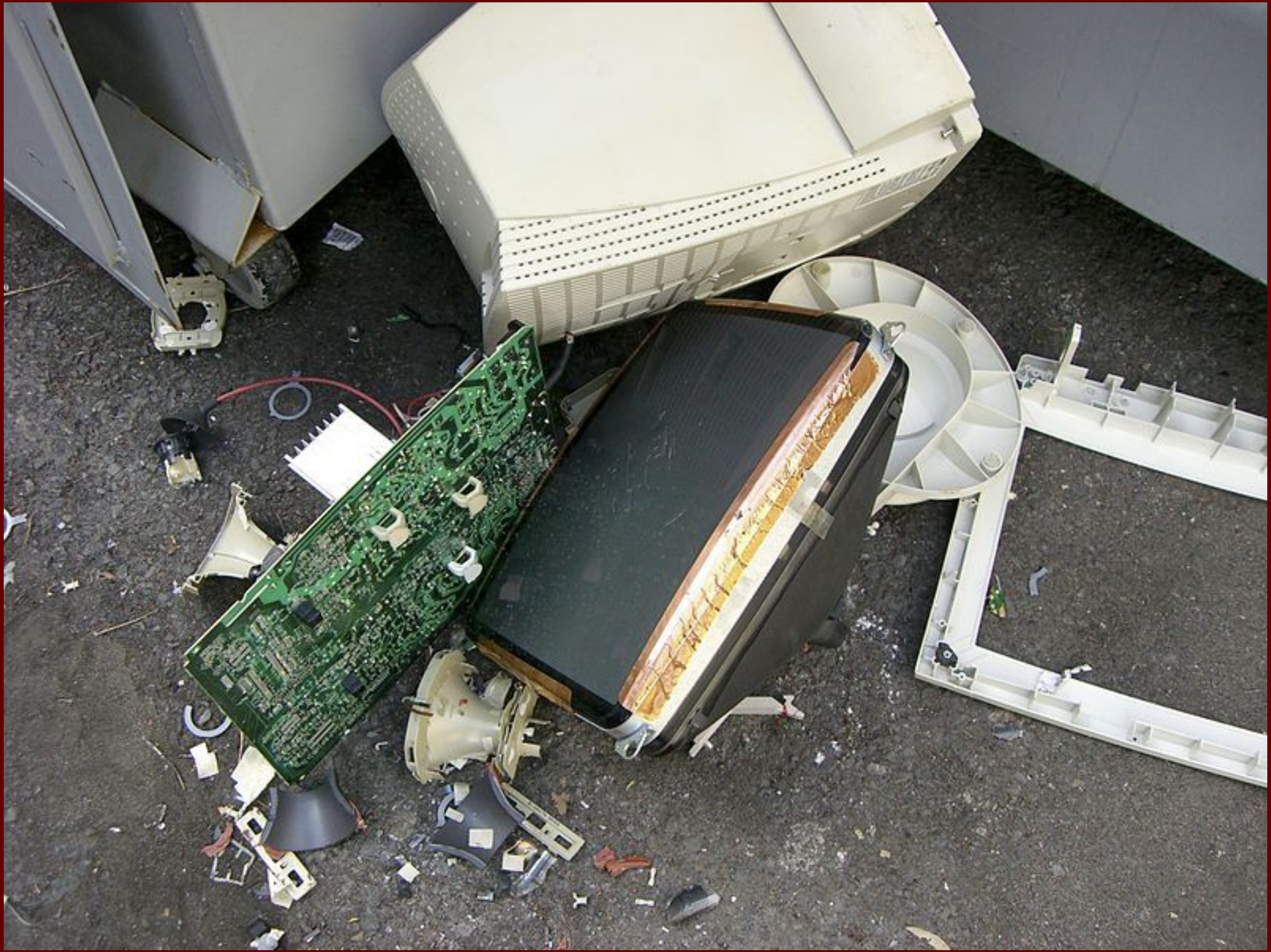
login
Mehr Sicherhe
ersetzt Benutz

Establishing a drug track-and-trace system
. Improved inventory control and management
. More efficiently tracking individual drug usage
7. Near real-time reporting
8. Applicable for other regular drugs and to prevent counterfeiting
入庫、出貨
入庫、出貨
·閘門式讀取
·資料上傳衛生署系統
Tag ID製藥廠、
藥品類別及代碼
入庫、領用
·手持式讀取
·資料上傳衛生署系統
出貨
領用
CSL
CONVERGENCE SYSTEMS LIMITED

ENBERGER & RESORTS
ROYAL ORCHID Plus
Thai
EAGE BANK
miles
VARIG
RIO SUL
NORDESTE
PLUNA
219 231
IAS SEBULKE
Alitalia
Canadian Plus
TAJ INNER CIRCLE
781/B
EBULKE
VALID UP TO 03/02
AIR FRANCE
ETHIOPIAN AIRLINES
Mas
ADRIA AIRWAYS
Privilege
iflyer
SIX CONTINENTS HOTELS
PRIORITY CLUB REWARDS
711 781 506
MATTHIAS SEBULKE
MEMBER SINCE 2000
HYATT PASSPORT
MEMBER SINCE 01/01
QATAR AIRWAYS القطرية
Privilege Club
Hilton HHonors
Silver VIP
Le MERIDIEN MOMENTS
GREEN CLUB
1664 GC
SEBULKE
EVA AIR
FINNAIR
Plus
AY 670
MATTHIAS SEBULKE
Hertz Gold Service
MATTHIAS SEBULKE
QANTAS Frequent
UNITED AIRLINES
MATTHIAS SEBULKE
3564 436 623
MILEAGE
UNITED Mileage Plus
MATTHIAS SEBULKE
03084 573 425
Enrich
malaysia
KOREAN AIR
PREFERRED GUEST
IBERIA plus

Privacy Concerns

- ➔ Tags can be read silently and at a distance (“skimming”)
- ➔ If tags never come out of purchased products, they become SpyMachines™
- ➔ Human-embedded chips



Want to see this in action?