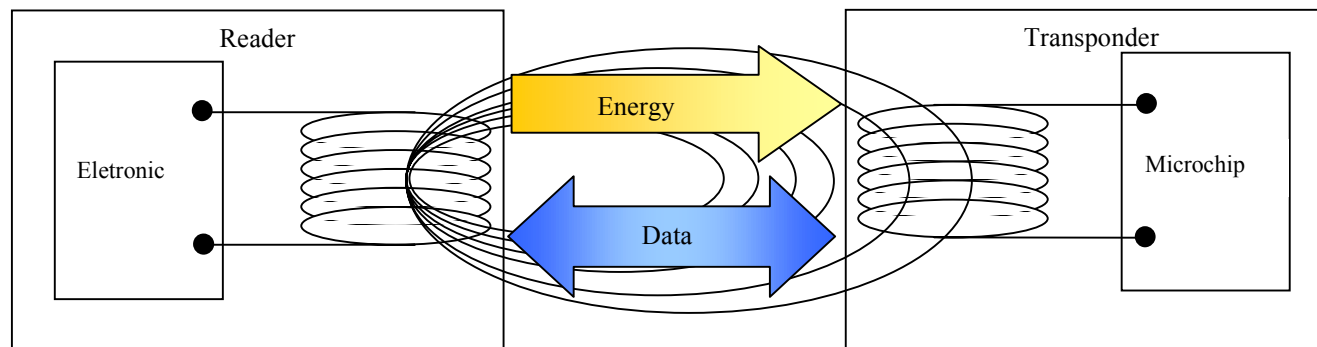


- ➔ **RFID = Radio Frequency IDentification**
- ➔ **Non-contact data exchange between**
 - ➔ Read station (Reader) and
 - ➔ Transponder (passive = no battery)
- ➔ **Reader supplies power to the Transponder**
- ➔ **Bi-directional data exchange between Reader and Transponder**

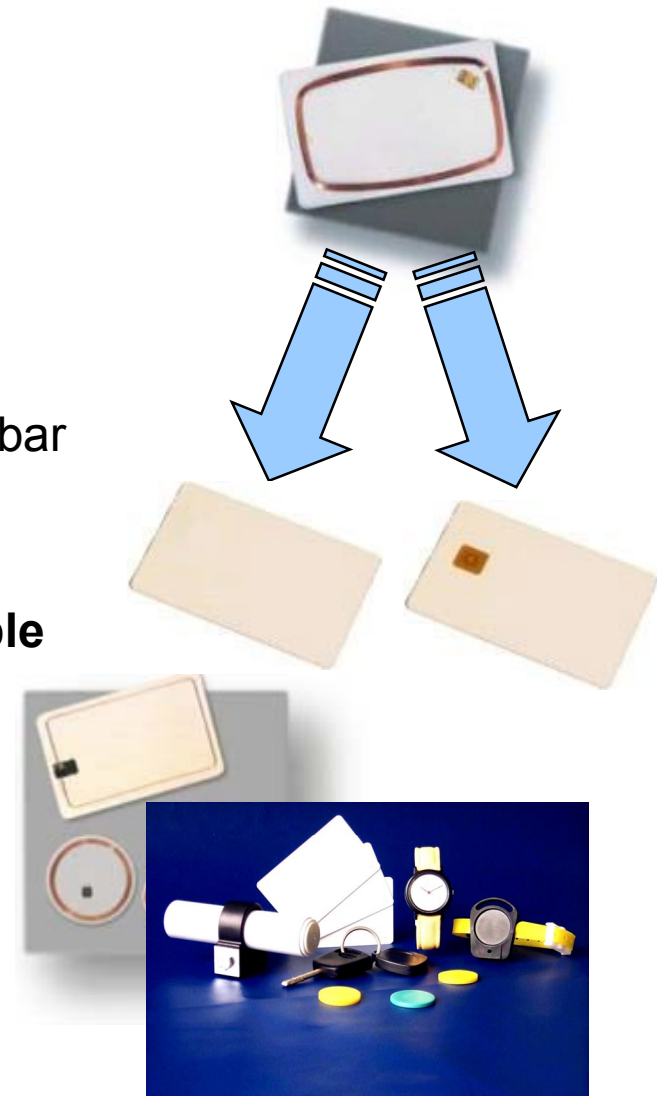


- ➔ **Transponder consists of**
 - ➔ Electronic microchip +
 - ➔ Antenne (coil)

Both are hidden in the card

- ➔ **Permits combinations with other card technologies** (e.g. chip card, magnetic card, bar code, etc.)

- ➔ **Many Transponder form factors are possible**
 - ➔ Card (ISO 7811)
 - ➔ Key fob
 - ➔ Coin
 - ➔ Watch
 - ➔





Multi-Application

advanced reader technologies



- ➔ Transponder for OBID® megalock-s has 256 bytes of memory
- ➔ For door lock OBID® megalock-s max. 12.5% memory used
- ➔ For cabinet lock OBID® megalock-l max. 6.5% memory used
- ➔ Free memory for
 - ➔ Vending machines
 - ➔ Parking garage entry
 - ➔ Cafeteria purchases
 - ➔

