

| Physical level | RFID technology | Features |
|---|--|---|
| ISO/IEC 18000-2 125 kHz or 134.2 kHz Low frequency, LF | Animal identification ISO 11784, 11785, 14223 Tags based on TK4100, EM4100 et al. Car immobilizers | Storage of small amount of data, low transmission rate, lack of information protection |
| ISO/IEC 18000-3 13.56 MHz High frequency, HF | Proximity smart cards ISO/IEC 14443 Vicinity smart cards ISO/IEC 15693 NFC devices ISO/IEC 18092 | The main standard for SMART tags, encryption, authentication, two-way communication, large amount of data, speed |
| ISO/IEC 18000-7 433 MHz Active ultra high frequency, UHF | Widely used in household devices (remote controls, car alarms) | Ability to use only active tags, high range (up to 1 km), high price |
| ISO/IEC 18000-6 860-960 MHz Ultra high frequency, UHF | Electronic product code EPC tag data standard Real-time locating systems ISO/IEC 24730 RFID for IoT ISO/IEC 15961-15963 | Reading range more than 10 m, transfer rate 128 kbits/s, the ability of reading simultaneously large number of tags |
| ISO/IEC 18000-4 2.45 GHz Microwaves | RFID over WiFi μ-Chip Real-time locating systems ISO/IEC 24730 | Ability to use only active tags, high range (up to 1 km), high price of receiver/transmitter |