















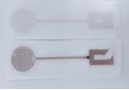






Mirco Copper NFC Tag

| | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|
| HF Tags |  |  |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |  |  |
| Dimension(mm) | OD19.1*ID11.2 | 6*8 | 20*13 | 20*13 | D14.5 | 5*5 | 5*45 | D18 |
| Frequency(MHz) | 13.56 | 13.56 | 13.56 | 13.0-13.56 | 13.56 | 13.56 | 13.0-14.5 | 13.0-14.5 |
| Protocol | ISO/ICE 14443A | ISO/ICE 14443A | ISO 15693 | ISO 15693 | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A | ISO 15693 |
| IC's Type | Ntag213 | FM11RF08 (Ntag213) | Icode Slix | Icode Slix | Ntag213 | Ntag213 | Ntag213 Icode Slix | Icode Slix |
| Memory | 144bytes | 1k x 8bits 144bytes | 896bytes | 896bytes | 144bytes | 144bytes | 144bytes 896bytes | 896bytes |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Waterproof | Waterproof | Waterproof | Waterproof Black Facestock | Waterproof | Waterproof FPC | Waterproof FPC | / |
| Ref. Part No. | HP150173A | HB130127C | HP150190A | HP150124A | HP150064A | HP150138A | HP150014A | HP180219A |













Security NFC Tag

| | | | | |
|---------------------------|---|---|---|---|
| HF Tags |  |  |  |  |
| SPEC |  |  |  |  |
| Dimension(mm) | D26 | 30*20mm | 50*30mm | 118*23mm |
| Frequency(MHz) | 13.0-14.5 | 13.56 | 13.56 | 13.56 |
| Protocol | ISO 15693 | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A |
| IC's Type | Icode Slix | Ntag213 | Ntag213 | SiC43NT rev.E |
| Memory | 896bytes | 144bytes | 144bytes | 144bytes |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Tamper proof | Tamper proof | Tamper proof | Tamper proof |
| Ref. Part No. | HY150024A | HY150027C | RD190159A | HY190281B |

Security Wine tag

| | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|
| UHF/HF Tags |  |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |  |
| Dimension(mm) | D25.51*25mm | 30x20mm+ tail60mm | D25*68mm | D30*60mm | 75*20*0.2 | 105*30*0.2 | 115*60*0.2 |
| Frequency(MHz) | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 860-960 |
| Protocol | ISO 15693 | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A | ISO18000-6C |
| IC's Type | Icode Slix | SiC43NT rev.E | NTAG424 DNA | SiC43NT rev.E | JT5501 | NTAG424 DNA | CAB0 |
| Memory | 896bytes | 144bytes | 416bytes/AES-128 cryptogralhy | 144bytes | 144bytes | 416bytes/AES-128 cryptogralhy | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -40~85 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Tamper proof | Tamper proof/ on metal | Tamper proof | Tamper proof, Tamper detection | Tamper proof | Tamper proof | Tamper proof, Tamper detection |
| Ref. Part No. | HY190236A | RD200074A | RD190161F | RD190161B | HY200112A | HY190147A | RD210032B |

Security UHF On-metal tag

| | | | | | | |
|---------------------------|---|---|---|---|---|---|
| UHF Tags |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |
| Dimension(mm) | 120*22 | 139*40 | 105*26.5*7.5 | 105*26.5*7.5 | 95*25*3.7 | 118*33*12.2 |
| Frequency(MHz) | 902-928 | 860-960 | 860-960 | 865-868 | 860-960 | 865-868 |
| Protocol | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C |
| IC's Type | G2ii+ | G2ii+ | M4QT | R6-P | M4QT | R6-P |
| Memory | TID:64bits EPC:128bits | TID:64bits EPC:128bits | TID:96bits USER:512bits (EPC:96 to 480bits) | TID:64bits USER:96bits | TID:96bits USER:512bits (EPC:96 to 480bits) | TID:64bits USER:96bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Tamper Detection | Tamper Detection | Waterproof IP67 | Waterproof | Waterproof | Waterproof |
| Ref. Part No. | UY160044B | UY150175A | UP150143B | RD200102B | RD170006A | RD200102A |






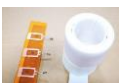






Security Seal tag






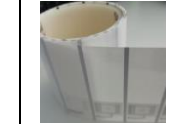






| | | | | | |
|---------------------------|---|---|---|---|---|
| UHF Tags |  |  |  |  |  |
| SPEC |  |  |  |  |  |
| Dimension(mm) | 430*33*6 | 133*38*16 | 133*38*16 | 133*38*16 | 381*50*19mm |
| Frequency(MHz) | 860-960 | 860-960 | 860-960 | 902-928 | 860-960 |
| Protocol | ISO18000-6C | ISO18000-6C | ISO18000-6C GEN2 V2 | ISO18000-6C GEN2 V2 | ISO18000-6C GEN2 V2 |
| IC's Type | G2ii+ | G2ii+ | CAB1/VBL7-NC | CAB0 | CAB1/VBL7-NC |
| Memory | TID:64bits EPC:128bits | TID:64bits EPC:128bits | TID:112bit EPC:192bit | TID:112bit EPC:192bit | TID:112bit EPC:192bit |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Tamper Detection | Tamper Detection | Tamper Detection | Tamper Detection | Tamper Detection |
| Ref. Part No. | UP180375B | UP190054A | UP220106A | UP220027B | RD220127A |













Security UHF On-metal tag






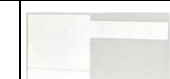






Detection Sensor UHF Tag

HF Price Tag

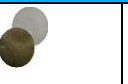






| | | | | | | | |
|---------------------------|---|---|---|---|--|---|---|
| UHF Tags |  |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |  |
| Dimension(mm) | 50*11 | 75*25 | 72*32 | 101*26 | 60*18 | 118*28*0.2 | 100*27*0.4 |
| Frequency(MHz) | 902-928 | 860-960 | 902-928 | 865-868 | 920.5-924.5 | 860-960 | 13.0-14.5Mhz |
| Protocol | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO15693 |
| IC's Type | Impinj R6 | Impinj R6 | Impinj R6-P | Higgs3 | M4QT Higgs3 | G2ii+ | TC603BS |
| Memory | TID:64bits USER:96bits | TID:64bits USER:96bits | TID:64bits USER:96bits | TID:96bits USER:512bits (EPC:96 to 480bits) | TID:96bits USER:512bits (EPC:96 to 480bits) | TID:64bits EPC:128bits | 2048bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | On metal | Tamper proof/on metal | On metal | On metal | On metal | Tamper Detection | LED price tag |
| Ref. Part No. | UP180149A | UY190241A | UP200011A | UP160051A | UP130070E | RD200201A | RD210064B |

| High Temp.Tag | | | Low Temp.Tag | | | |
|---------------------------|---|---|---|---|--|---|
| HF/UHF Tags |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |
| Dimension(mm) | 80*10*0.2 | 80*10*0.7 | 42.5*9*0.43 | 74*28*0.2 | 77*28*0.2 | 77*28*0.2 |
| Frequency(MHz) | 865-868 | 865-868 | 860-960 | 920.5-924.5 | 13.0-14.5Mhz | 902-928 |
| Protocol | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO18000-6C | ISO15693 | ISO18000-6C GEN2 |
| IC's Type | UCODE 8 | UCODE 8 | Impinj R6-P | Impinj R6 | TC603BS | KX2005XB-LT |
| Memory | USER:0-32bits EPC:96-128bits | USER:0-32bits EPC:96-128bits | TID:64bits USER:96bits | TID:64bits USER:96bits | 2048bits | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit |
| Operating Temperature(°C) | -25~75, up to 120 °C for about 30 mins | -25~75, up to 120 °C for about 30 mins | -25~75, up to 170 °C for about 10 mins | -80~75 | -80~75 | -80~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | High temp. | High temp. | High temp. | Low temp. | Green light, Low temp. | Green light, Low temp. |
| Ref. Part No. | RD200214A | RD200214B | UP210123A | UP210032A | RD210087A-16T | RD210086A-A5 |

| Security UHF & HF Dual tag | | | | | | |
|----------------------------|--|--|--|--|--|--|
| Dual Tags |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |
| Dimension(mm) | 75*50 | 34*27 | 75*40 | 86*54 | 40*25 | 60*28 |
| Frequency(MHz) | 13.0-14.5 & 860-960 | 13.0-14.5 & 860-960 | 13.0-14.5 & 860-960 | 13.0-14.5 & 860-960 | 13.0-14.5 & 860-960 | 13.0-14.5 & 860-960 |
| Protocol | NFC & ISO18000-6C | NFC & ISO18000-6C | ISO14443A/15693 ISO18000-6C | ISO14443A/15693 ISO18000-6C | NFC & ISO18000-6C | NFC & ISO18000-6C |
| IC's Type | EM4423 | EM4423 | Ntag213/Icode Slix M4QT/M4E | Ntag213/Icode Slix M4QT/M4E | EM4423 | Qstar 6SSB |
| Memory | USER:160 or 64 bits | USER:160 or 64 bits | 144bytes/896bytes 512bits/128bits | 144bytes/896bytes 512bits/128bits | USER:160 or 64 bits | USER: up to 2K bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | / | Tamper proof | / | Tamper proof | Tamper proof | Tamper proof |
| Ref. Part No. | DP190211A | DY150118B | DP160149B | DY140039C | DY160031A/B | DY180224A |

| Security RFID jewelry tag | | | | | | |
|---------------------------|---|---|---|---|--|---|
| UHF/HF Tags |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |
| Dimension(mm) | 93*14 | 94*15 | 84*15 | 84*15 | 72*13 | 95*40 |
| Frequency(MHz) | 13.0-14.5 | 865-868 | 920.5-924.5 | 865-868 | 902-928 | 920.5-924.5 |
| Protocol | ISO 15693/14443A | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO18000-6C GEN2 | ISO 18000-6C |
| IC's Type | Icode Slix/Ntag213 | Higgs3 | G2ii+ | Higgs3 | CAB0 | Qstar-73GB-O |
| Memory | USER:896bytes/144bytes | TID:96bits EPC:96 to 480bits USER:512bits | TID:64bits EPC:128bits | TID:96bits EPC:96 to 480bits USER:512bits | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) | TID:96bits EPC:160bits USER:512bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -40~85 | -40~85 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Tamper proof | Tamper proof | Tamper Detection | Tamper proof | Tamper Detection | / |
| Ref. Part No. | HY140164C | UY140221A | UY160053C | UY220129A | RD220125A | UP220025D |

Security HF On-metal Sticker















| HF Tags |  |  |  |  |  |  |  |  |
|---------------------------|---|---|---|---|--|---|---|---|
| SPEC |  |  |  |  |  |  |  |  |
| Dimension(mm) | 6*5 | D6 | D9 | D30 | D35 | D40 | 45*25 | 49*29 |
| Frequency(MHz) | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 |
| Protocol | ISO/ICE 14443A | ISO15693 | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 15693 | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A |
| IC's Type | NTAG216F | ICODE SLIX | Ntag213 | Ntag213 | ICODE SLIX | Ntag213 | Ntag213 | Ntag213 |
| Memory | 144bytes | 512bits/128bits | 144bytes | 144bytes | 512bits/128bits | 144bytes | 144bytes | 144bytes |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Micro PCB tag | Micro on metal tag | Micro on metal tag | On metal | Magnetic/ on metal | Tamper proof/ on metal | Tamper proof/ on metal | Tamper proof/ on metal |
| Ref. Part No. | HP160265A | HP150167A | HP150168A | HP190106A | RD200153A | HY160049A | HY140171A | HY150012B |

Security HF On-metal Sticker

















Security tag for diferent materials

| HF Tags |  |  |  |  |  | UHF Tags |  |  |
|---------------------------|--|--|--|--|---|---------------------------|--|--|
| SPEC |  |  |  |  |  | SPEC |  |  |
| Dimension(mm) | 52*25 | 86*58 | 85.5*54 | 110*40 | 65*25 | Dimension(mm) | 70*35 | 100*30 |
| Frequency(MHz) | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | 13.0-14.5 | Frequency(MHz) | 860-960 | 860-960 |
| Protocol | ISO/ICE 14443A | ISO/ICE 14443A | ISO/ICE 14443A | ISO15693 | ISO/ICE 14443A | Protocol | ISO18000-6C | ISO18000-6C |
| IC's Type | SIC43N1F | Ntag213 | Ntag213 | Icode Slix | SIC43NT rev.E | IC's Type | Impinj R6-P | UCODE 7XM |
| Memory | 7-bytes UID Mode1:888bytes Mode2:944bytes Mode3:144bytes | 144bytes | 144bytes | 896bytes | 7-bytes UID Mode1:888bytes Mode2:944bytes Mode3:144bytes | Memory | TID:64bits USER:96bits | TID:96bits EPC:448bits USER:2048bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | Operating Temperature(°C) | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | Storage Temperature(°C) | 0~25 | 0~25 |
| Characteristics | Tamper Detection | Tamper proof | Tamper proof | Tamper proof | Tamper Detection | Characteristics | Tamper proof for Glass/Plastic/Wood Board materials | Tamper proof for Glass/Plastic/Wood Board/Paper Board materials |
| Ref. Part No. | HY150163A | HY150179A | HY150183A | HY150088A | RD200054A | Ref. Part No. | UY200031A | UY210153A |

UHF tamper proof vehicle tag

| | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|
| UHF Tags |  |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |  |
| Dimension(mm) | 110*40 | 110*40 | 110*40 | 110*40 | 105*50 | 97.8*23.4 | 98*25 |
| Frequency(MHz) | 860-960 | 865-868 | 902-928 | 860-960 | 902-928 | 860-960 | 860-960 |
| Protocol | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C |
| IC's Type | M4QT | M4QT | M4QT | M4QT/M4E | Higgs3 | Higgs3 | Higgs3 |
| Memory | USER:512bits | USER:512bits | USER:512bits | EPC:96 to 496bits USER:128/512bits | TID:96bits EPC:96 to 480bits USER:512bits | TID:96bits EPC:96 to 480bits USER:512bits | TID:96bits EPC:96 to 480bits USER:512bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof |
| Ref. Part No. | UY130027B | UY150028A | UY130121B | UY140045C | UY150174K | UY150160A | UY150144A |


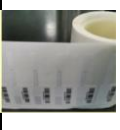


UHF tamper proof vehicle tag

| | | | | | | | | |
|---------------------------|---|---|---|---|--|---|---|---|
| UHF Tags |  |  |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |  |  |
| Dimension(mm) | 110*40 | 70*35 | 110*40 | 99*12 | 93*17 | 99*12 | 78*20 | 71*36 |
| Frequency(MHz) | 860-960 | 860-960 | 865-868 | 860-960 | 860-960 | 860-960 | 860-960 | 865-868 |
| Protocol | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C | ISO 18000-6C |
| IC's Type | M4QT/M4E | Higgs3 | M4QT/M4E | M4QT/M4E | Higgs3 | M4QT/M4E | M4QT/M4E | Higgs3 |
| Memory | EPC:96 to 496bits USER:128/512bits | TID:96bits EPC:96 to 480bits USER:512bits | EPC:96 to 496bits USER:128/512bits | EPC:96 to 496bits USER:128/512bits | TID:96bits EPC:96 to 480bits USER:512bits | EPC:96 to 496bits USER:128/512bits | EPC:96 to 496bits USER:128/512bits | TID:96bits EPC:96 to 480bits USER:512bits |
| Operating Temperature(°C) | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 | -25~75 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof | Windshield/ Headlight Tag Tamper proof | Windshield / Headlight Tag Tamper proof | Windshield / Headlight Tag Tamper proof | Windshield Tag Tamper proof | Windshield Tag Tamper proof |
| Ref. Part No. | UY150067A | UY160013A | UY150194A | UY160050B | UY180055A / UY180055N | UY160030A | UY160250A | UY170057B/RD170029A |

Probe-Type Sensor/Temperature sensor tag

| | | | | |
|---------------------------|--|---|--|--|
| UHF tag |  |  |  |  |
| SPEC |  |  |  |  |
| Dimension(mm) | 98*24 | 100*50 | 80*30 | 190*0*4 |
| Frequency(MHz) | 902-928 | 860-960 & 13.0-14.5 | 860-960 | 860-960 |
| Protocol | EPC Gen2v2 and ISO/IEC 29167-10 | ISO18000-6C GEN2 | EPC Gen2v2 and ISO/IEC 29167-10 | EPC Gen2v2 and ISO/IEC 29167-10 |
| IC's Type | CAB1/VBL7 | FM13DT160 | CAB1/VBL7 | CAB1/VBL7 |
| Memory | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) |
| Operating Temperature(°C) | -40~85 | -35~85 | -40~85 | -40~85 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Passive tag, Available Reader: BU01/RU03/RFID915 | Temperature logger, Available Reader: BU01/RU03/RFID915 | Passive tag, Available Reader: BU01/RU03/RFID915 | Passive tag, Available Reader: BU01/RU03/RFID915 |
| Ref. Part No. | UP180199B | DP220124A | RD200199A | RD200210A |

Temperature sensor tag

| | | |
|---------------------------|---|--|
| UHF tag |  |  |
| SPEC |  |  |
| Dimension(mm) | 50*50*1 | 95*30*0.2 |
| Frequency(MHz) | 13.0-14.5,902-928 | 860-960 |
| Protocol | ISO14443A & ISO18000-6C GEN2 | EPC Gen2v2 and ISO/IEC 29167-10 |
| IC's Type | FM13DT160 | CAB1/VBL7-NC |
| Memory | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) |
| Operating Temperature(°C) | -35~85 | -40~85 |
| Storage Temperature(°C) | 0~25 | 0~25 |
| Characteristics | Temperature logger, Available Reader: BU01/RU03/RFID915 | Passive tag, Available Reader: BU01/RU03/RFID915 |
| Ref. Part No. | HP200133A | RD210040A |













Distance monitoring bracelet

| | | |
|-------------------------|---|---|
| Bluetooth Wristband |  |  |
| SPEC |  |  |
| Dimension(mm) | 38(L)*30(W)*13mm(H) without wristband | 47(L)*18(W)*11mm(H) without wristband |
| Weight (g) | 38.3 | 28 |
| Color Options | Black/White/Sky-Blue/Orange | Black/White/Sky-Blue/Orange |
| Material | PC + Silicon | PC + Silicon |
| Major Function | Distance Monitor of 190c with Auto-detection & Closing Reminder between any two devices | Distance Monitor of 190c with Auto-detection & Closing Reminder between any two devices |
| Capacity & Working days | 950mAh, Continue 40days/per battery | 90mAh, 7 days @ 8 hours per day |
| BT | Bluetooth 4.0 and above | Bluetooth 4.0 and above |
| Vibrator & LED | Closing Alarm Support | Closing Alarm Support |
| Ref. Part No. | BT01 | BT04 |








LED/Buzzer Reminder tag

| | | | | | | |
|---------------------------|---|--|--|---|---|--|
| UHF tag |  |  |  |  |  | |
| SPEC |  |  |  |  |  | |
| Dimension(mm) | 74*32mm | 136*35*16mm | 95*15*0.2mm | 100*12mm | Dimension(mm) | 38(L)*30(W)*13mm(H) |
| Frequency(MHz) | 902-928 | 840~960Mhz | 13.0-14.5Mhz | 920.5-924.5 | Weight (g) | 18 |
| Protocol | ISO14443A & ISO18000-6C GEN2 | EPC Gen2v2 and ISO/IEC 29167-10 | ISO 15693 | ISO18000-6C GEN2 | Color Options | Black |
| IC's Type | kx2005x | NMV2D CAB0/CAB1 | TC603BS | KX2005XB-L/T | Material | PC |
| Memory | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) | 2048bits | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | Major Function | sound and light reminder of designated order items detection |
| Operating Temperature(°C) | -35~85 | -25~75 | -35~85 | -35~85 | Battery type | CR2477 button battery, capacity 1000mAh, can be replaced by yourself |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | Bluetooth technology | Bluetooth 5.0 |
| Characteristics | Passive tag, Available Reader: BU01/RU03/RFID915 | LED & Beeper Reminder widely for warehouse & Location | LED Flash light & Items Discover LED | Passive tag, Available Reader: BU01/RU03/RFID915 | Sound & LED | LED light, buzzer |
| Ref. Part No. | RD200132C / UP200210A | IVF-TU03 | HP200146A | UP210011A | Ref. Part No. | BT01XW |









LED Reminder tag

| | | | | | | | | |
|---------------------------|---|---|---|--|--|---|---|--|
| UHF tag |  |  |  |  |  |  |  |  |
| SPEC |  |  |  |  |  |  |  |  |
| Dimension(mm) | 75*36*0.2 | 75*36*0.2 | 65.5*26*0.2 | 75*20*1.5 | 100*12*0.2 | 100*8*0.28 | 95*40*0.2 | 75*36*0.2 |
| Frequency(MHz) | 865-868 | 860-960Mhz | 902-928Mhz | 902-928Mhz | 860-960Mhz | 920.5-924.5 | 920.5-924.5 | 860-960Mhz |
| Protocol | ISO18000-6C GEN2 | ISO18000-6C GEN2 | ISO18000-6C GEN2 | ISO18000-6C GEN2 | ISO18000-6C GEN2 | ISO18000-6C GEN2 | ISO18000-6C GEN2 | ISO18000-6C GEN2 |
| IC's Type | KX2005XB-L/T | KX2005XB-L/T | KX2005XB-L/T | CAB1/NMV2D TSS0P8 | CAB0 | KX2005XB-L/T | KX2005XB-L/T | CAB0 |
| Memory | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 96-bit EPC: 96-bit User: 0-8kbits Reserve: 32-bit | TID: 112-bit EPC: 192-bit User: File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate) |
| Operating Temperature(°C) | -35~85 | -35~85 | -35~85 | -40~85 | -40~85 | -35~85 | -35~85 | -40~85 |
| Storage Temperature(°C) | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 | 0~25 |
| Characteristics | Green/Red light, Passive tag, Available Reader: BU01/RU03/RFID915 | Red light, Passive tag, Available Reader: BU01/RU03/RFID915 | Green light, Passive tag, Available Reader: BU01/RU03/RFID915 | Red light, Passive tag, Available Reader: BU01/RU03/RFID915 | Red light, Passive tag, Available Reader: BU01/RU03/RFID915 | Green light, Passive tag, Available Reader: BU01/RU03/RFID915 | Green light, Passive tag, Available Reader: BU01/RU03/RFID915 | Green light, Passive tag, Available Reader: BU01/RU03/RFID915 |
| Ref. Part No. | UP210048A/B | UP210031A | RD210047A | RD210048A-A2 | RD210050B B2-4 | UP210011H | UP210192A | RD220126A-A5# |





Bluetooth Tag(BT serials)

| BT tag | BT05 | BT05L | BT06(w/o vibrator) | BT06(with vibrator) | BT06L | BT07 | BT11 | |
|---------------------------|---|---|---|---|---|---|---|--|
| |  |  |  |  |  |  |  | |
| Size | 54.5*38*9mm | 54.5*38*9mm | 48*27*6mm | 48*27*6mm | 48*27*6mm | 85*35*5.1mm | 65*30*11mm | |
| Main Functions | Vibration, step measurement, temperature measurement, electricity can be reported | Temperature measurement, electricity can be reported | AOA location,electricity can be reported | AOA location,electricity can be reported | AOA location or Tamper alarm+Temperature measurement+electricity can be reported | Tamper alarm, AOA location, item finding, electricity can be reported | AOA location, item finding, colorful lights, electricity can be reported | |
| Broadcast interval | 1min | 10s | 1S | 300ms(vibating) 1min(motionless) | 3s | 800ms | 800ms | |
| Communication range | R<100M | R<50M | R<100M | R<100M | R<50M | R<100M | R<100M | |
| | | | | | | R<30M connectable | R<30M connectable | |
| Encapsulation way | Special sealing with glue | Special sealing with glue | ultrasonic bonding | ultrasonic bonding | ultrasonic bonding | Special sealing with glue | ultrasonic bonding | |
| Battery mode & capacity | CR2032, capacity 240mAh Non-replaceable battery | CR2032, capacity 240mAh Non-replaceable battery | CR2032, capacity 240mAh Replaceable battery | CR2032, capacity 240mAh Replaceable battery | CR2032, capacity 240mAh Replaceable battery | CR2450, capacity 600mAh Non-replaceable battery | CR2477, capacity 1000mAh Replaceable battery | |
| Standby power consumption | 16uA (with vibrator) 13.8uA (without vibrator) | 8.5uA | 13.8uA | 137uA (300ms) 10uA (1min) | 8.5uA | 30uA | 31.4uA | |
| Working hours | 20 months, 24 months | 39 months | 24 months | Calculate according to the actual situation | 39 months | 27 months | 44 months | |
| Net Weight | 12.5g | 12g | 11g | 11.5g | 10g | 21g | 21g | |
| Installation methods | Punching | Punching, tie & binding | Sticked with glue | Sticked with glue, tie & binding | Sticked with glue | screwdriving, Sticked with glue | Sticked with glue, tie & binding, alligator clip, magnet | |











Price Tag

| | | | | | | | | |
|---------------------------|---|---|---|---|--|---|---|---|
| Ref. Pic |  |  |  |  |  |  |  |  |
| Dimension(mm) | 98(V) *104.5(H)*14(D) | 38.5(V)*48(H)*13.5(D) | 98(V) *104.5(H)*14(D) | 37.5(V)*66(H)*13.7(D) | 44.4(V)*89(H)*13.5(D) | 131(V) *185(H)*15.3(D) | 229(V)*281.3(H)*17.8(D) | 37.5(V)*66(H)*13.7(D) |
| Operating Temperature(°C) | 0-30°C | 0-30°C | 0-30°C | 0-30°C | 0-30°C | 0-30°C | 0-30°C | -25-15°C |
| Resolution ratio(dpi) | 400*300 | 152*152 | 400*300 | 250*122 | 296*128 | 640*384 | 960*640 | 250*122 |
| Communication | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi |
| Color | Black/White/Red/Yellow | Black/White/Red/Yellow | Black/White/Red/Yellow | Black/White/Red/Yellow | Black/White/Red/Yellow | Black/White/Red/Yellow | Black/White/Red/Yellow | Black/White |

Price Tag

| | | | | |
|---------------------------|---|---|---|---|
| Ref. Pic |  |  |  |  |
| Dimension(mm) | 234(V) *200(H)*14(D) | 224(H)*260(V)*40(D) | 189(H) x119(V)x16(D) | 165(H) x256(V)x14(D) |
| Operating Temperature(°C) | 0-40°C | 0-30°C | -10-40°C | -10-40°C |
| Resolution ratio(dpi) | TN segment code | 640*384 | 1024*600 | 1280*800 |
| Communication | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi | Ethernet or Wifi |
| Color | One-sided/double-sided | One-sided/double-sided | LCD/Colorful | LCD/Colorful/One-sided/double-sided |

Phone/Pocket RFID Reader

| | | | | |
|---|--|--|---|--|
| Picture Parameter |  |  |  |  |
| SPEC |  |   |  |   |
| Type | RH06,RH21 | BH04,BH04KB | RU03,RU03E | BU01,BU01E, BU01KB |
| Protocol | 14443A(RH06) , 15693(RH21) | 14443A/B,CPU card,M1 card,Desfire card,Felica | ISO18000-6C | ISO18000-6C |
| Frequency(MHz) | 13.56MHz | 13.56MHz | 920MHz~925MHz, 865MHz~868MHz(E) | 920MHz~925MHz, 865MHz~868MHz(E) |
| Reading distance(according to tag size) | 22mm | 30mm | 50cm | 50cm |
| Communication | 3.5mm audio jack port | Bluetooth 4.0 above(BH04), Bluetooth HID(BH04KB) | 3.5mm audio jack port | USB, BLE4.0(BU01/BU01E), Bluetooth HID(BU01KB) |
| Operation System | IOS,Android | IOS,Android(BH04) IOS,Android、Windows (BH04KB) | IOS,Android | IOS,Android,Windows,MiniProgram |
| Battery Capacity | 130mAh | 65mAh | 500mAh | 500mAh |
| Charging Method | MicroUSB 5V/0.5A,Charging for 0.5 hours | MicroUSB 5V/0.5A,Charging for 1 hours | MicroUSB 5V/0.5A,Charging for 2 hours | MicroUSB 5V/0.5A、 Charging for 2 hours |
| Work Time | Continuous working 7 hours,can read tag more than 3000 times | Continuous working 7 hours,can read tag 6000 times,standby 30 days | Continuous working 3 hours,can read tag 30000 times | Continuous working 3 hours,can read tag 30000 times(BU01/BU01E) Continuous working 9 hours(BU01KB) |
| Operating Temperature(°C) | -20°C~60°C | -20°C~55°C | -20°C~60°C | -20°C~60°C |
| Material | ABS+PC | ABS+PC,silicone | ABS+PC | ABS+PC,TPU |
| Size | 39mm*30mm*11mm | 37mm*37mm*7mm (watch core) | 42mm*48mm*15mm | 66mm*45mm*15mm(watch core) |
| Net Weight | 12g | 21g(watchband)+8.5g(watch core) | 35g | 22g(watchband)+40g(watch core) |
| Light Status | <p>1)Normal working: Green light normally on;</p> <p>2)Green light flashing when read tag ID;</p> <p>3)Green light flashing when read the tag sector data;</p> <p>4) Exception: the light is off;</p> <p>5)Low power: the green light flashes slowly(low power alarm, please charge asap);</p> <p>6) Ultralow power: the green light flashes fast (low power to stop using, unable to read);</p> <p>7) In the charging: red light normally on;</p> <p>8)Charging completed: red light off.</p> | <p>1)All lights off when standby.Green light flashing when disconnected,green light on when connected.</p> <p>2)Red light on when charging:red light off when finished charging.</p> <p>3)Blue light flashing when reading tag or exchanging data; green light on when activate tag.</p> | <p>1)Normal working: Green light normally on;</p> <p>2)Green light flashing when read tag;</p> <p>3)Green light flashing when read the tag user data;</p> <p>4) Exception: the light is off;</p> <p>5)Low power: the green light flashes slowly(low power alarm, please charge asap);</p> <p>6) Ultralow power: the green light flashes fast (low power to stop using, unable to read);</p> <p>7) In the charging: red light normally on;</p> <p>8)Charging completed: red light off.</p> | <p>Middle light: 1)Normal working: Green light normally on;</p> <p>2) Exception: the light is off;</p> <p>3) Low power: the green light flashes slowly (low power alarm, please charge asap);</p> <p>4) Ultralow power: the green light flashes fast (low power to stop using, unable to read);</p> <p>5) In the charging: red light normally on;</p> <p>6)Charging completed: red light off.</p> <p>Left light: 1)Bluetooth connection successes, the green light normally on;</p> <p>2) bluetooth data transmission: green light flashes fast.</p> <p>Right light: 1)read label successes,green light flashing.</p> |

RFID Handheld Reader

| | | | | |
|-----------------------|---|-----------------------------------|---|--|
| Picture |  | |  | |
| Parameter | | | | |
| SPEC |  | |  | |
| Model | 7202K3-Tamper | | RFID915 RFID186 Reader05 | |
| RFID Reading Distance | ISO18000-6C/6B >6meters | Circular polarization 4dBi | ISO18000-6C >6meters | Circular Polarization Antenna |
| Operating System | EU:865-868MHz (ETSI EN 302208); USA:902 MHz-928MHz (FCC part 15); CHN:920-925MHz(CMII) & Android4.3 above | | EU:865-868MHz (ETSI EN 302208); USA:902 MHz-928MHz (FCC part 15); CHN:920-925MHz(CMII) & Android4.3 above | |
| CPU | MTK MT6580 Quad Core | 1.3GHz | SAMSUNG Cortex-A8 | 1GHz |
| Memory | LPDDR3:2GB; iNand FLASH:16GB | Max 32G Micro SD card supportable | ROM4G/RAM512MB | Expandable by SD card with max capacity to 32G |
| Display Resolution | 4" LCD Screen Type 480*800 HD LCD, 16-bit true color LED | | 3.5in TFT-LCD VGA (480*640) Color LCD screen or QVGA (240*320) (WinCE OS) | Industrial-strength capacitive touch screen, support multi-touch |
| 1D Laser Scanner | √ | optional | √ | optional |
| 2D COMS Scanner | √ | Backward 1D optional | √ | Backward 1D optional |
| WLAN/Wifi | √ | Standard equipped | √ | Standard equipped |
| GSM/GPRS/3G | √ | optional | √ | optional |
| Bluetooth | Bluetooth 4.0 with EDR | Standard equipped | Bluetooth 4.0 with EDR | Standard equipped |
| GPS | √ | optional | √ | optional |
| Camera | √ | optional | √ | optional |
| Phone Capability | Built-in speaker, MIC, receiver | Built-in speaker, MIC, receiver | Built-in speaker, MIC, receiver | Built-in speaker, MIC, receiver |
| Main Battery | 3.8V 4500mAh | Li-ion Battery | 3.8V 4500mAh | Li-ion Battery |