Q43S-TAG

Smart and robust HF / UHF - RFID transponder

- passive RFID transponder supporting:
  o 13.56 MHz ISO15693 HF communication
  o dual band NFC / UHF communication
  o NFC high memory
  o ISO14443 secure communication
- optional customized label printing (barcode etc.)
- standard on metal (non-metal version also available)
- LEGIC key management system (on inquiry)
- designed for item and object tagging

RFID Technology: close coupling RFID system iID®2000/3000
Chip Type: EM4423 ECHO, SLIX-S, NTAG216, ATC4096* others on request
Carrier Frequency: 13.56 MHz / 868 MHz (type .01 only)
Communication Rate: down link up to 424 kbps
Communication Distance: 0 ... 40 mm, depending on reader antenna and chip type
Memory: EEPROM
Memory Capacity: endurance >10⁵ cycles, data retention >10 years without refresh
Special Functionality: dual-band (type .01 only)
Operating Temperature: -25°C ... +65°C
Storage Temperature: -45°C ... +85 (recommended 25°C)
Dimensions: 43x27 mm, max. TH 5 mm
Packaging Material: EPOXY, PU PA66 substrate
Mounting Instructions: for non-metal surfaces on metal device Q43S-TAGspecial available
Recommended glue: see application note, optional self-adhesive pad
Marking: label with single colour print, optional customized single colour print
Appropriate RFID Reader: PEN reader with RS232TTL, USB or Bluetooth interface,
POCKET reader with USB and Bluetooth interface
UNI13 or Q10 13.56 MHz read write module, for microsensys OEM partners only
HOST Command Set: see current API documentation of microsensys iID®driver engine or ISO18000-3 compatible command set, see data sheets of silicon chip manufacturer data
Software: different software for Windows PC or mobile devices available, for application software please contact info@microsensys.de

Type: DUAL BAND
Product code: 16.954.422
HF Memory: >10
RF Standard: ISO 14443 A
Chip Type: EM4423 ECHO
Special Features: NFC and close coupling UHF

Type: NFC
Product code: 13.470.422
HF Memory: >50
RF Standard: ISO 15693
Chip Type: SLIX-S
Special Features: NFC compatible

Type: LEGIC advant*
Product code: 13.496.422
HF Memory: >10
RF Standard: ISO 18000-6c
Chip Type: NTAG216
Special Features: Security protocol

Type: LEGIC advant*
Product code: 13.140.422
HF Memory: 888 Bytes
RF Standard: ISO 18000-6c
Chip Type: ATC4096-MP311
Special Features: ISO 14443 A

*In development or on inquiry