i-coder
New Ethernet - USB Multi-Standard Proximity Encoder

TESA

ASSA ABLOY

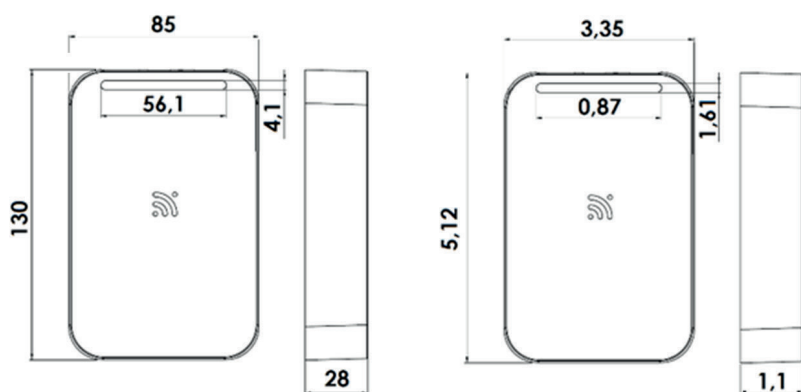Experience a safer
and more open world

Functionality

The new desktop proximity i-coder reads, encodes and deletes the information related both guests and staff RFID credentials (keycards, fobs, wristbands, etc.) of Tesa Hotel systems.

The encoder communicates via Ethernet so it can be operative from the Tesa Hotel web manager: no software to install on the client workstation.

USB communications available.

Information exchanged secure and encrypted (TLS v1.2 / AES128).

Mechanical technical characteristics

· Dimensions: 130 (H) x 85 (W) x 28 (D) mm
· Weight: Encoder TCP/IP: 170gr

Credentials

iCLASS by HID

MIFARE™ DESFire™

MIFARE™ CLASSIC

The identification technologies compatible with the SMARTair encoder are:
· MIFARE™ under ISO/IEC 14443 Type A standard
· DESFire™ MIFARE™
· iCLASS®
· ISO/IEC 15693

Electronic technical characteristics

· Ethernet Interface: 10BASE-T/100BASE-TX
· Power over Ethernet (PoE)
· Security: TLS v1.2 / AES128
· USB Interface: USB 2.0 Type-B
· LED: RGB
· Buzzer: YES
· Power supply: 12v DC

· Light indications.
  The encoder has, in its front side, a multicolour
  LEDs: Blue, Green, Red and White.

Switch Encoder On: Blue, Green, Red consecutive
and finally solid Blue. A beep will also be heard.

Blue Light: the encoder is switched on.

Blue light blinking: The encoder is writing /reading
a credential. Beeps are heard during encoding that
inform that the operation is done correctly.

Red Light blinking: the encoder does not detect
any credential.

**Blue light blinking and that Red at the end of the
operation:** the credential has not been properly
encoded.

Environmental characteristics

· Operating temperature and humidity: 5°C ∼ 50°C
  with a relative humidity of 90%.
· Storage temperature and humidity: -20°C ∼ 50°C
  with a relative humidity of 95%.

Encoder components

The encoder packaging includes:
1. The encoder
2. Ethernet RJ45 cable
3. Device Instructions