FEIG

ID ECCO Smart HF-BLE

Robust NFC Booster with Bluetooth LE 5.0

- Ergonomic High Performance NFC Read / Write Device

- Identification of transponders in different orientations / positions

- Robust housing e.g. for installation and maintenance work

- Bluetooth LE 5.0 GATT profile with FEIG Data Services and Zhaga Book 25 services

- FEIG Data Services for Android, iOS and WIN10 applications

- USB interface compatible with current FEIG USB readers

- Durable Lithium Polymer battery with high capacity

Future-proof RFID reader with high flexibility

ID ECCO Smart HF-BLE is a mobile RFID reader with powerful NFC/RFID interface for fast and safe working with standard RFID transponders. The latest Bluetooth LE 5.0 technology makes the device a future-proof investment for current and future mobile applications.

The ID ECCO Smart is used wherever the read range of an NFC smartphone is insufficient for efficient work with RFID transponders or the ambient conditions require a more robust device. The read data are transmitted directly via Bluetooth LE interface to a host such as a smartphone, tablet PC, laptop or Bluetooth LE capable PC .

ID ECCO Smart is ideal for programming and maintenance work in the LED lighting industrie, in transport and logistics as well as in healthcare. Furthermore, the device can improve or accelerate numerous processes in libraries relating to the handling of media equipped with transponders.

Robust and power for a complete working period

The ID ECCO Smart withstands multiple drops from 1.6 m to concrete without any damage.
This is made possible by the double-walled ABS plastic housing with protective rubber coating.
Its protection class IP54 enables use in harsh environments, making the ID ECCO Smart a mobile NFC reader for almost all system environments.

A long-lasting, high-capacity battery supplies the device with power for up to 16 hours, thereby enabling continuous work.
The large and robust buttons of the ID ECCO Smart can be operated safely even when wearing gloves.
Optical and acoustic signals as well as a vibration feedback acknowledge the work carried out and thus ensure error-free processes.

Product details	ID ECCO Smart HF-BLE
Housing	Double-walled, rubber coated
Dimensions (W x H x D)	87 x 48 x 26 mm (3.42" x 1.89" x 1.02")
Weight	98 g
Protection class	IP 54
Color	black, red
Operating frequency	13.56 MHz
Transmitting power	1,5 W HF Reader IC
Supported transponders	ISO 15693
Interfaces	USB Serial, Bluetooth LE V4.2 & V5.0
battery	1300 mAh Lithium Polymer; 3.7 V
Operating time	Up to 16 h*
Indicators, optical	4 LED (red, green, yellow, blue)
Indicators, further	Buzzer Vibrations feedback
Keyboard	4 keys (ON/OFF, Trigger 2x configurable)
CPU	Dual Core Processor
Memory	256 KB RAM / 1 MB Flash
Supported OS	USB: Win 10 (32 and 64 Bit) BLE: iOS from V13.3.1 & Android from V9.0
Bluetooth Interface: Bluetooth LE GATT profile	Zhaga Book 25 services and protocol FEIG data services and FEIG standard protocol
Temperature range	Operation: -20°C up to 55°C (-4°F up to 131°F) Storage: -20°C up to 60°C (-4°F up to 140°F) Battery load: 0°C up to 45°C (32°F up to 113°F)
Humidity	5% up to 95% (non-condensing)
Shock resistance	1,6 m drop on concrete
Certificates	RoHS, WEEE, CE, FCC, IC

* Switched on, BLE connection, depending on the usage behaviour and the setting of the device

Order descriptions

5738.000.00	ID ECCO Smart HF-BLE solid NFC Booster with BLE interface
5093.921.00	ID Docking Station - ECCO
5090.930.00	ID NET.5V-EU USB Power Supply 1000 mA
5090.930.10	ID NET.5V-US USB Power Supply 1000 mA
5903.000.00	ID BLE.USB-Dongle with FEIG Bluetooth LE V4.2 Data Service
5093.960.00	ID ECCO customized front cover - setup costs

Individual designable front cover allow
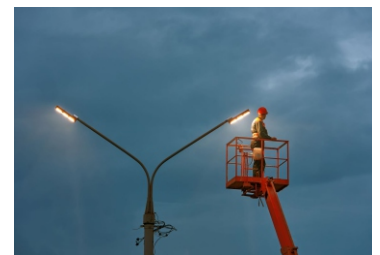implementation of any Corporate Identity.

Applications

Identification in different orientations

Configuration of a LED driver
with ID ECCO Smart

Installation and maintenance LED lighting

Accessories

Docking station

Power supply
110 V / 220 V

ID USB.BLE Dongle

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