

RF-Track Portable NFC Reader

GENERAL DESCRIPTION:

The **RF-Track Portable NFC Reader** is a compact, handheld NFC badge reader with LoRaWAN connectivity, derived from the wall-mounted LoRaWAN NFC Reader. It is designed to identify and timestamp operators and maintenance operations directly in the field. Two backlit push buttons allow fixed NFC tags to be read in two distinct modes (e.g. entering or leaving a room). Battery power and wireless LoRaWAN connectivity mean no wiring is required.



Optional elastomer protective sleeve available

Key features:

- **Ultra-low-power design** — NFC reading is activated only on button press, avoiding accidental wake-ups
- **LoRaWAN 1.0.4 Class A** connectivity — same badge read & timestamp uplink protocol as the wall-mounted reader; instant commissioning after LoRaWAN join
- **Two non-protruding metal push buttons** with backlit rings (green / red) for dual reading modes (e.g. room entry / exit)
- **Visual & audible feedback** — blinking ring: reading active; steady ring + buzzer: badge read confirmed
- **Replaceable battery** — 3.6 V Li-SOCl₂ SAFT LS14250, 1.2 Ah, held by elastic metal blades
- **Remote configuration** via LoRaWAN downlinks (heartbeat message cycle, battery alarm threshold)
- **Rugged option** — elastomer protective sleeve absorbing shocks in case of a drop
- **Dimensions:** 99 x 56 x 24 mm

Estimated battery life:

Up to **2 years** of autonomy (50 badge reads per day, 220 days per year). User-replaceable battery. Operating temperature range: [-20°C, +55°C]

APPLICATIONS

- Identification and timestamping of technicians at the point of intervention
- Entry / exit logging of rooms and zones (two-button modes)
- Presence time in a zone — proof of attendance for maintenance and cleaning operations