DIINNO

DATASHEET

DIINNO Toolbox APP

Smart meter service tool for Android

Platform **Android** Store **Google Play** Price **free**

SHORT DESCRIPTION

The **DIINNO Toolbox APP** is a free application for servicing modern metering devices (mME) and basic meters. It bundles all field tasks in one app — from secured LMN communication, the bidirectional MSB interface, wM-Bus radio reception to reading the optical INFO or NFC interface, PIN unlocking and barcode checking of the meter. **All meter and key data remain encrypted on the device** — no data collection, no account, no tracking.

FEATURES AT A GLANCE (HOME SCREEN)

LMN interface

Meter search, then three tabs: Crypto Reset · Pairing & readout (TAF7/TAF10 via TLS) · Test mode (V1.5). Each action with a coloured result banner.

Modbus meter

DIINNO DIN-rail meters DAC4300 / DAC2100 (Modbus RTU, RS-485): readout, CSV / Excel export, change parameters.

INFO OKK

Reads the per-second SML data stream of the optical INFO interface via the IR reading head. Presentation as in the test report incl. status word evaluation; optional CSV recording and export.

MSB interface

The sealable, **bidirectional** data interface of EDL meters (9600 8N1, SML). Monitor per-second values, read out specifically by OBIS code or by user-defined group and export as CSV.

wM-Bus

Radio reception at 868 MHz: capture telegrams, decrypt them with a stored key and record one CSV file per meter. Requires the DIINNO wM-Bus adapter.

LoRaWAN

Listens to LoRaWAN radio traffic at 868 MHz — receive only, also with the display off. Requires the DIINNO LoRaWAN adapter.

Enter PIN

Transmits the 4-digit meter PIN via **flashlight light pulses** to the optical port, unlocking protected displays on the meter — with progress display for each digit.

Scanner

Scans the Data Matrix/2D barcode of the meter by camera or from an image, checks it according to **FNN specifications** and extracts the meter number / server ID.

NFC

Some DIINNO meters have an NFC interface. Its content corresponds to that of the optical INFO interface — simply hold the smartphone against the meter, without adapter or cable. Other NFC tags (NDEF) are displayed unchanged.

News

Presents matching DIINNO accessories (basic meters, LMN-USB adapters, IR reading head, cables) — with links to further product information.

Setup

Language (DE/EN/ZH), pairing curve (5 EC curves), option "Keep SYM key during pairing", encrypted SYM key vault, USB adapter settings, log recording and GDPR functions.

About

Company and contact details, app version and a list of the open-source components and licences used.

SYSTEM REQUIREMENTS

Operating system	Android (smartphone)
Connection	USB Type-C (OTG) for LMN-USB-RS485, USB-RS232, wM-Bus or LoRaWAN adapter or IR reading head; NFC without accessories
Internet	optional (only for product/news notices)
Languages	Deutsch · English · 中文

COMPATIBILITY

Meters	BZ-eHZ, BZ-3.HZ (mME), e.g. EHZ541-i
Connection	LMN (RJ12/bus via USB adapter) · MSB / Modbus (RS-485/RS-232) · IR reading head (INFO) · wM-Bus / LoRaWAN 868 MHz · NFC · camera (barcode)
Protocols	SML · HDLC · DLMS/COSEM · TLS · SYM pairing · wM-Bus/OMS · Modbus RTU · NDEF (NFC)
Standards	based on BSI / MID / FNN

SECURITY & DATA PROTECTION

Privacy by design
All meter and key data remain exclusively on the device and are stored encrypted (AES-256-GCM). The app does not collect any personal data and uses no account and no tracking. Symmetric keys appear in logs and documents only as a fingerprint (keyFp). Internet access is only used for optional product/news notices (retrieval only, without device identifier). Data export and deletion are available in the app (GDPR).

No account **No tracking** **Locally encrypted** **GDPR-compliant** **Free of charge**

AVAILABILITY & DOWNLOAD

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Subject to technical changes.