

Collector Mobile Client

Smart, Simple, and Reliable Meter Reading — Anytime, Anywhere



Collector Mobile Client (CMC) is a mobile application designed for quick installation, control, and efficient meter reading in the field.

In addition to simple, text-oriented data output, CMC also provides an interface for synchronization with third-party Head-End or Meter Data Management systems. These REST servers must be implemented by customers and must meet the criteria defined by the CMC application.



Fast and Accurate Reading

- Simplifies meter reading via Bluetooth optical probes.
- User-friendly interface for efficient field operations.
- Immediate verification of correct meter wiring (DLMS meters).
- Reliable synchronization of device clocks, with optional force sync.



Flexible Data Management

- Easy visualization of consumption data and meter readings.
- Supports data synchronization and exchange via REST API.
- Compatible with external Head-End and Meter Data Management systems.
- Access to historical and generic registers; daily profile and event-log readouts.



Data Synchronization

- Enables relay and disconnector management (ON/OFF/AUTO modes).
- Convenient phasor diagram snapshots directly in the field.
- Power limiter activation.
- Seamless upload of Time-of-Use (TOU) tariff tables and easy billing period resets.

Collector Mobile Client

Application Type

- Android-based application for efficient electricity meter reading in the field.
- Optimized for handheld and rugged devices with Bluetooth optical probe support.

Deployment

- Distributed via APK or Mobile Device Management (MDM) systems.
- Works offline and syncs automatically with backend systems via REST when online.

Key Functional Highlights

- Fast, accurate readings via Bluetooth optical probes.
- Compatible with various meters types and manufacturers.
- Simple UI for non-technical users, with built-in diagnostics and validation tools.
- Installation, validation, and management of meter endpoints in the field.
- Secure login with role-based access control.
- Automatic data synchronization to backend upon network availability.

Backend Interface (Server Integration)

- REST API communication with third party HES/MDM systems.
- Data uploads include meter readings, event logs, and action results.

Meter Communication Interface

- Bluetooth-enabled optical probes.
- Protocol-agnostic design, based on an up-to-date compatibility list.
- Plug-and-play behavior with many DLMS/IEC meters.

Usage Scenarios

- Field meter readings and verification.
- Installation, registration, and testing of new endpoints.