



# TICMB TCP

## Linky Meter interface module



### Product Overview

The Xemex TIC Dongle is a compact converter module that makes the Linky Meter TIC message contents available via Modbus TCP.

The module supports TIC ports defined by *Enedis-NOI-CPT\_54E norm V3, 2018*. The Dongle connects to the TIC port of the Linky Meter via a double-pin connector.

The module acts as a Modbus TCP slave over Ethernet to connect to a Modbus master on the local network. The memory map for Modbus TCP is changeable by selecting an available template during configuration.

It has to be powered by an external USB-C power supply. User interaction is facilitated by a multicolor backlit button, which utilizes color coding to indicate the Dongle's status.

### Typical use case

1. When utilizing the TIC input
  - a. Historique Mode is not supported
  - b. Standard Mode is needed

Contact Enedis to change the TIC message Mode. This does not affect the metering or billing settings.

2. When the ethernet port, limit the cable length to max 30m

### IT Connection

The following are based on IPv4:

- mDNS
- Fixed IP
- DHCP

### Modbus TCP Meter

- Phoenix EMPro
- **More Coming Soon**

### Technology

#### General

- Connects directly to TIC port of Linky meter
- Power via USB-C Power Supply
- Data frequency: Equal to French Meter
- Modbus TCP meter emulation
- Easy configurable via Web Interface

#### TIC interface

- TIC input port
- Protocol compatible with Enedis-NOI-CPT\_54E norm V3, 2018
- Hardware Compatible with French Meters
- Support for 1 phase & 3 phase meters

#### LEDs & Button

- 1 LED to visualize status
  - RED 'On': Booting
  - RED 'Blink': No TIC data
  - Orange 'Blink': No IP address
  - Green 'Blink': Network config needed
  - Green 'On': No Issues
- Button:
  - Click: Reconnect to network
  - Hold 1 sec: Reset to factory defaults

#### Technical specification

- Operating voltage: 5V DC
- Power consumption: < 3W
- Operating temperature range: 0°C till 50°C
- Storage temperature range: -40°C till 85°C
- IP rating: IP22
- Dimensions (HxWxD in mm): 25 x 50 x 70

#### Compliance

- IEC 62368-1:2023
- EN 55032:2016
- EN 55032:2017