



trio II P1

Smart in-home energy display



Product overview

The Trio II family of products are a range of in-home displays designed to meet the growing demand to visualise energy consumption, alongside smart meter programmes throughout Europe. Trio II has a highly engaging user interface, and flexible localisation and language options.

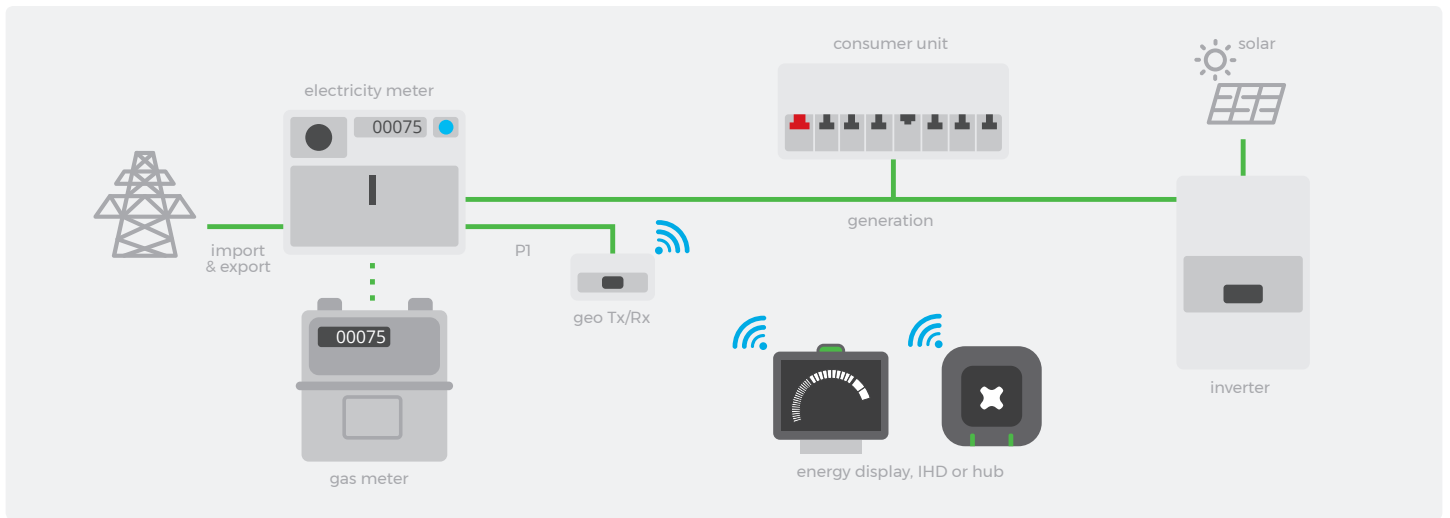
The Trio II P1 is designed to work specifically for the Benelux region smart meter programmes, which is based upon the Dutch Smart Meter Requirements (DSMR) specification. The Trio II P1 consists of both the Trio II Touchscreen Display, and a wireless transmitter that plugs into the P1 port of a Benelux smart meter.

Trio II technical specification

- Single or dual fuel electricity and gas consumption monitoring
- Highly responsive and flexible full colour 3.45 inch TFT touch screen display
- Supports import/export meters within the UI
- Coloured LED for electricity usage indication, and graphical quick access menu
- Optional WiFi connectivity for geo or 3rd party energy apps
- OTA upgradable firmware and UI (via optional WiFi)
- Internal primary battery options
- Anti-tamper seals
- 13 months of data storage
- Power supply: 230 Vac, 50 Hz UK, Euro, North America and Australia PSU pin options
- Consumption: < 0.6 W
- Radio: 868 MHz (geo Legato protocol)

P1 technical specification

- DSMR standards 4.2.1 and 5.0.2
- Supports encrypted/unencrypted P1 ports via RJ12 connector
- Meter types supported include electricity and gas, including solar PV (export).
- Options to support other meter types such as thermal, water or slave e-meter
- Powered via the meter P1 port
- 868MHz radio using geo's Legato protocol
- Refresh Rate: DSMR standard dependent



Product features and benefits

Simple and intuitive touch screen user interface

Helping customers to understand how much energy they are using now and how much it is costing them, ability to set budgets to track energy spend, and full electricity and gas consumption over the last year. Intuitive touch screen navigation to interact with the energy monitor.

Quick access menu button

Our Trio II Touchscreen features a coloured LED for electricity consumption, which also doubles as a quick access graphical menu for commonly used features, such as electricity and gas consumption or system status.

Built for today's smart meters and in-field upgradable

The Trio II P1 is designed to work with both DSRM 4.2.1 and 5.0.2 DSRM specifications, including encrypted DSRM meters. The Trio II and P1 wireless transmitter, can be updated Over-The-Air (OTA), via our optional WiFi module, allowing for refinements in the user experience and user interface.

Supports import and export capable

The Trio II P1 operates in import only mode, or import/export mode; both modes are built into the Trio II from the start, and the customer can switch modes at any time, should they install solar PV at a later date.

Localisation options

Different countries require different languages, currency, currency format and other localisation options. We have designed the Trio II user interface to accommodate these differences with our flexible colour TFT display.

Connected devices and data services

With our optional WiFi module, utility partners are able to add value to their energy apps, or use our intuitive Tempo energy app. Utility partners can select individual or combined solutions utilising processed data via our APIs, or raw data (live, historic or batch data) via our AWS SQS queue system.