



trio touchbutton

Smart in-home energy display



Product overview

The Trio 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 has a highly engaging user interface, and flexible localisation and language options.

The Trio Touchbutton is a fully compliant SMETS 1+2, PPMID smart in-home energy display.

Technical specification

- Single or dual fuel electricity and gas consumption monitoring
- Highly responsive and flexible full colour 3.45 inch TFT display
- Zigbee® Smart Energy (SE) 1.4b certified
- Compliant with SMETS 1, SMETS 2, and SMDA standards for in-home displays
- Credit and pre-payment functionality
- Compliant with SMETS 2 enhanced pre-payment (PPMID)
- OTA upgradable firmware and UI (SMETS 1)
- OTA upgradable firmware and UI via WiFi (SMETS 1 or SMETS 2)
- Auto switches between SMETS 1 and SMETS 2
- 5-button user-interface navigation
- Coloured LED for electricity usage indication
- Supports CAD functionality (via optional WiFi)
- Optional WiFi connectivity for geo or 3rd party energy apps
- OTA upgradable firmware and UI (via optional WiFi)
- Internal primary
- 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: Standard 2.4 GHz Zigbee® SE and optional 868 MHz (Zigbee® SE)



Product features and benefits

Simple and intuitive user interface

Helping customers to understand how much energy they are using now and how much it is costing them, with the ability to set budgets to track energy spend, and full electricity and gas consumption over the last year. Intuitive 5-button navigation to interact with the device.

Auto-switching between SMETS1 and SMETS2

We have designed the Trio to automatically switch between SMETS1 and SMETS2 meters, so regardless of the meter you install or inherit, the Trio will automatically switch modes to talk to the meter. Additionally, the Trio auto-joins the HAN once the pairing window is opened, simplifying the experience for your installer team.

In-field WiFi retro fit

The Trio Touchbutton has an optional WiFi module. This can be fitted at the factory, or by your installer team as they go, or it can be sent out to the customer directly for them to install. Allowing you to add WiFi after the product has been installed, or as customers switch to you.

Supplier agnostic Prepay (PPMID) certificates

The Trio comes out-of-the box as both an IHD and PPMID. Additionally, we take the hassle out of managing and integrating PPMID certificates. We work directly with the DCC and pre-install supplier agnostic certificates on your behalf.

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

The Trio Touchbutton is built to comply with the latest SMETS 1 and SMETS 2 standards for both in-home displays and pre-payment (PPMID), allowing utility partners to deploy with multiple meter manufactures. The Trio can be updated Over-The-Air (OTA), via our optional WiFi module, allowing for refinements in the user experience and user interface.

Dual-band Zigbee® support

We recognise that smart meters are not always in the most accessible places, which can lead to Home Area Network (HAN) connectivity issues. That is why we designed the Trio Touchbutton to be capable of supporting both Zigbee 2.4GHz and 868MHz.

Connected devices and data services

With our optional WiFi module, you are able to add value to your energy app, or use our intuitive Tempo Energy App. You 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.