

Passiv Hub

The key to energy insight and control in the home

Product ID: PP-HUB01-PS-00

GTIN #: 5060224310205



The Passiv Hub is configured to provide energy services within the home. It acts as a central node of the Home Area Network (HAN) and coordinates communications for the Passiv Smart Thermostat.

The Passiv Hub is autonomous and can operate reliably if the cloud connection is not available or interrupted.

Included in the package:

Passiv Hub, Mains PSU and Ethernet cable (1m)

Minimum requirements:

Standard 230v mains socket

Recommended:

Broadband internet connection

Multiple protocols:

The Passiv Hub supports a Modbus RTU HAN network. Communication with the cloud and smart phones can be established via Ethernet using MQTT IoT.

Communication:

Ethernet RJ-45
RS-485 Modbus RTU, A&B push-fit connection

General:

CPU: ARM926EJ-S @ 454 MHz single core
RAM: 128 MB
Flash: 256 MB
Linux (Buildroot) + Python 3

Dimensions:

102 x 102 x 28 mm (W x H x D)

Power Supply:

External mains PSU DC 9V 2A

Power Consumption:

Typical: 2 W Max: 3 W

Ethernet:

10/100 Mbit/s

Expansion:

USB port (hidden underneath hub)

Environment:

IP20, Operation temperature 0 to +50 °C

Certification:

CE/UKCA approved