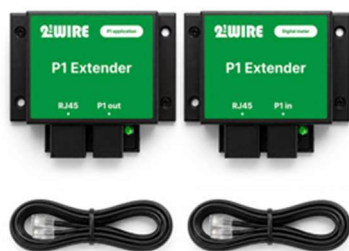


P1 extender set



In some cases, the distance between the smart meter and the connected web server/charging station is too large for a standard P1 cable. This disrupts the signal, resulting in the web server not being able to function properly.

With the P1 Extender set, you can easily bridge this distance using a standard network (UTP) cable. The set consists of a digital meter and an application module. Suitable for smart meters with the DSMR 4 protocol and newer.

1. Connect:

Smart meter module

Connect the smart meter module to your smart meter with one of the included P1 cables.



UTP cable

Connect one end of your UTP cable (Straight) to the smart meter module. The other end ends up at the web server/charging station. Make sure you use a CAT5 (E) or CAT 6 cable and that it is equipped with RJ45 connectors

Charging station module

Connect the charging station module to the other end of the UTP cable. Then connect the charging station module to your web server/charging station and that with the second included P1 cable.

No configuration is required. Your web server/charging station will recognize your smart meter and immediately start registering data.



Status LED

If you have connected everything correctly, the status LED will light up on both modules. Then verify whether your web server/charging station communicates with the smart meter.

2. Note:

- Pre-activate the Belgian digital meters to be able to work: [via this link](#) If there is a triangle above "GP" on the screen of the digital meter (GP is in laser marking below the screen) then ports P1 and S1 are active.
- Only use the included P1 cables with the P1 extender modules.
- The P1 extender modules are powered from the smart meter. Are you using a P1 splitter to connect another device to the smart meter? Then make sure that this splitter passes the power supply, and that each splitter port works autonomously and transmits the original signal without modification.
- Look for a suitable splitter on the 2-wire website: <https://www.2-wire.net/product/actieve-p1-poort-hub-splitter/>

3. Technical data:

General:

P1 extender: set of 2 modules to bridge a longer distance (up to 80m) between the P1 port and the connected application via UTP cable.

Operating conditions:

Operating temperature range: 10 °C to 50 °C

Storage temperature range: -10 °C to 60 °C

Maximum humidity: 90 %, no moisture condensation

Max. assembly height : 2000m

Physical properties:

Housing: plastic, self-extinguishing acc. UL94-V0

Degree of protection: IP20, EN 60529

Mounting indoors or in waterproof housing

Dimensions (h x w x l): 68x58x23mm- Weight: approx 2x30 grams

Connections:

Power supply: from the digital meter

RJ12: Connection P1

RJ45: UTP CAT5(E) or CAT6 Straight connection

Labels:

RoHS: Non-toxic, acc.. WEEE/RoHS Directives

CE: In accordance with EMC and low voltage directive

4. Installation Requirement

The installation is preferably carried out by someone with at least a basic knowledge of PC/networks or by a certified installer and in accordance with the applicable regulations. During installation, the following must be taken into account (non-exhaustive list):

- the applicable laws, standards and regulations.
- the state of the art at the time of installation.
- this manual which only mentions general provisions and should be read in the context of each specific installation.
- the rules of good craftsmanship.
- the prescribed specs in this manual, otherwise there is a risk of damage to the module.

The most recent manual of the product can always be found on the 2-Wire website.

5. Support

Do you want to have the product repaired in case of a possible defect? Please contact your supplier or order "inspection module" online.

6. Warranty provisions

The warranty period is two years from the date of delivery. The delivery date is the invoice date of purchase of the product by the consumer. If no invoice is available, the production date applies. The consumer is obliged to inform Qonnex bvba in writing about the lack of conformity, and this no later than two months after detection. In the event of a lack of conformity, the consumer is only entitled to a free repair or replacement of the product, which is determined by Qonnex. Qonnex is not responsible for a defect or damage resulting from incorrect installation, improper or negligent use, incorrect operation, transformation of the product, maintenance in violation of the maintenance instructions or an external cause such as moisture damage or damage due to overvoltage. The mandatory provisions in national legislation on the sale of consumer goods and the protection of consumers in countries where Qonnex sells directly or through distributors, agents or permanent representatives take precedence over the above provisions.

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