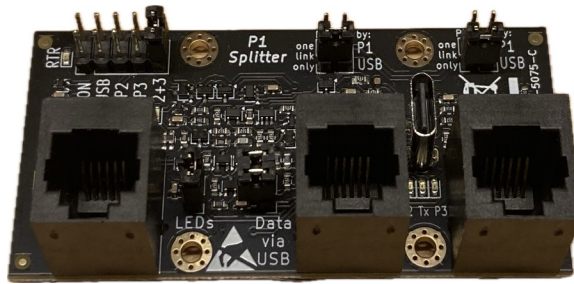# AV-5075-C   "P1 Splitter".

Looking for …

- An extra "P1/RJ12" port in your HAN system?

- Getting closer to the WiFi access point?

- Additional power?

- P1 to a Serial USB port?

- P1 Flow control?

Then the AV-5075-C "P1 Splitter" may be what you are looking for!

Features:

Excellent P1 input sensitivity: Wifi dongle(-s) may be placed closer to the access point.

Separate current limited output drivers at **P2** & **P3**.

Link settable **R**eady **T**o **R**eceive source for **P1. [ON, USB, P2, P3, P2+P3]** Default: **P2+P3**

Link settable, **Power** feed for **P2** & **P3** outputs**. [P1, USB, None]** Default: **USB**

Link to enable **LEDs**. Default: **on**

Link to force all **Data via** the **USB** serial port. (**Connect** if P1 is unconnected!) Default: **off**

Link, spare part. Default: Placed on the "Data via USB" free pin.

LEDs at [RTR, ON, USB(=DTR), P2, P3, P2+P3, Rx, Tx, P2 fed by, P3 fed by, ...]

Connectors:

P1 Vertical female RJ12 (6/6)　　　　　　Connects to the power meter.

P2 & **P3** Vertical female RJ12 (6/6)　　　　Dongle connections.

USB-C Vertical, for external **power** and/or serial **data** and/or the **RTR** flow control via **DTR**.

PCB: 72.5*35.5*1.6 mm. **Component** height ~20 mm, 18 gram. **RoHS.**

Note:

1. This board does **not galvanically** isolate connectors nor devices from each other.

2. A "**single port USB power source**" shall be used to avoid unwanted cross couplings.

3. The P1 input **limits** signal **swing**. Thus: do **not** connect in parallel with **other** user.

4. If your dongle actively feeds power, "upstream", into the Splitter's P2/P3, make sure this is acceptable to your P1 device and to the USB-C source that you use. Otherwise: remove "Px fed" jumpers. Max +5.5V into AV-5075-C.

5. First read #4 again.. Some P1-meters actually require a voltage to work. By placing **two** links on **either** of the "Px fed by" headers, any power fed into the Splitter will also be fed into your P1 device.