



PLC Stamp 1200 Micro EVK Quickstart Guide

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Revisions

Revision	Release Date	Changes
1	February 17, 2017	initial release

1 Introduction

With the PLC Stamp 1200 micro evaluation kit you can kickstart the development of your own Homeplug AV2 Powerline enabled device.

The bundle consists of:

- 1x PLC Stamp 1200 micro
- 1x PLC Stamp 1200 micro EVB
- 1x PLC Stamp 1200 micro EVB Ethernet daughter board
- 1x IEC mains cable
- 2x Ethernet cable
- 1x Gigabit Powerline Adapter

You will also need:

- 2 Computers or Notebooks with an Gigabit Ethernet port

2 Connect the bundle ...

Configure the EVB for the Ethernet Daughter Board:

- place jumper as shown in Figure 1

Connect the EVB as shown in Figure 2

- plug in the IEC power connector to PLC Stamp 1200 micro EVB
- plug the PLC Gigabit Adapter into wall socket
- plug in the CAT5 (or higher) ethernet cable between PLC Stamp 1200 micro EVB and Computer #1
- plug in the CAT5 (or higher) ethernet cable between PLC Gigabit Adapter and Computer #2

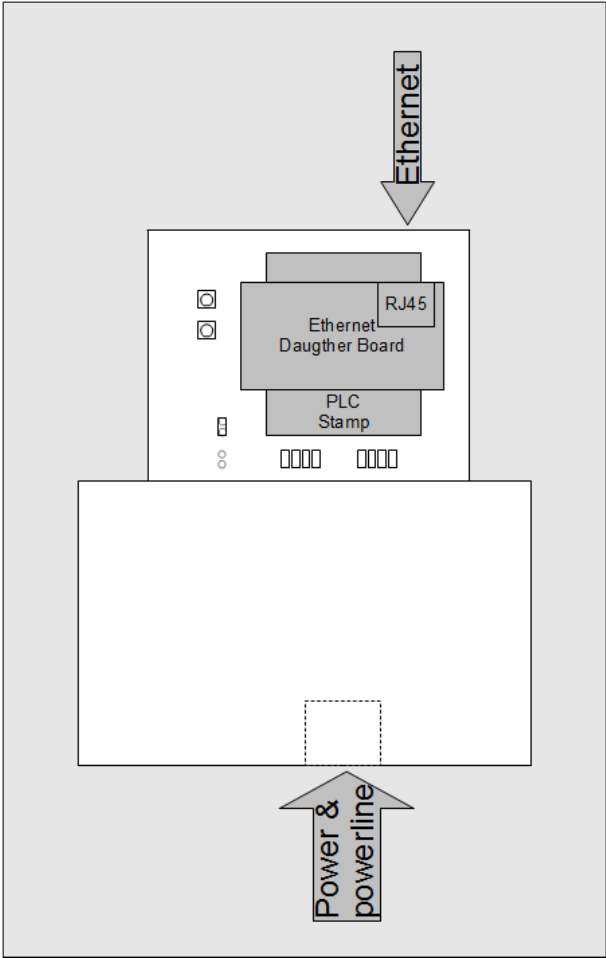


Figure 1: EVB Connections

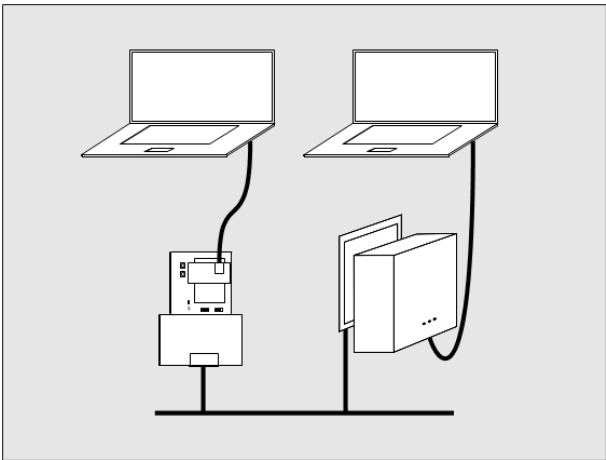


Figure 2: Setup

3 Start the bundle

After inserting the IEC power connector into the PLC Stamp 1200 micro EVB and the PLC Gigabit Adapter into the wall socket both devices boot up. This takes less than 5 seconds.

Both PLC devices are configured to be in the same power LAN by default. For security reasons you can change the predefined network membership key, see datasheet for this.

The two computers should be able to communicate now if their network settings are correct as if they would be connected directly.

4 Contact

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