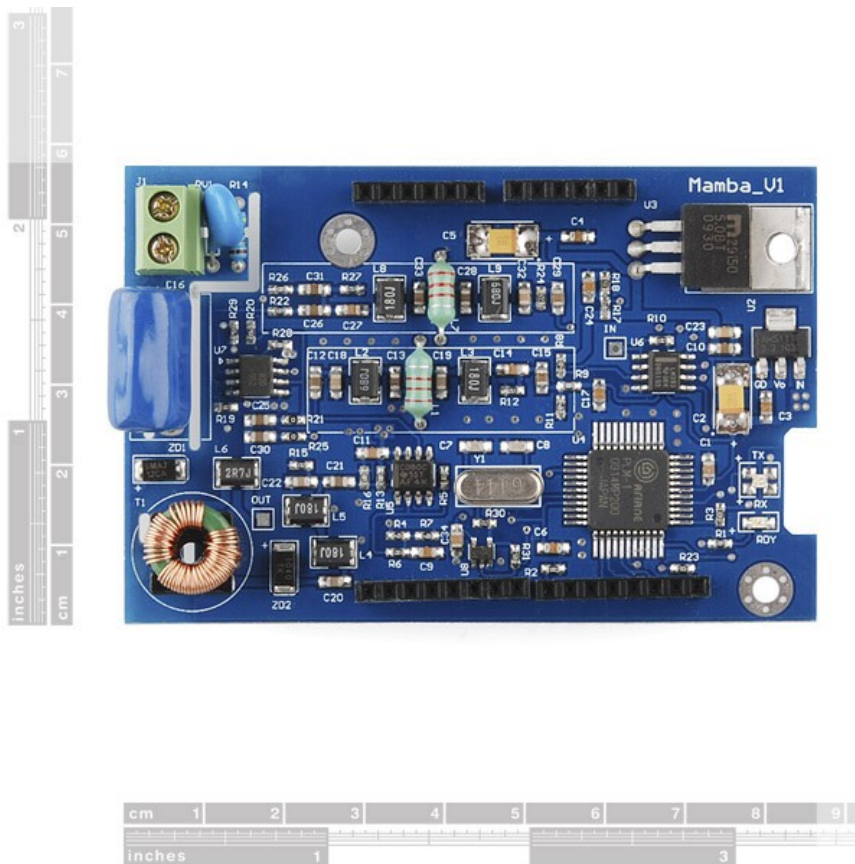
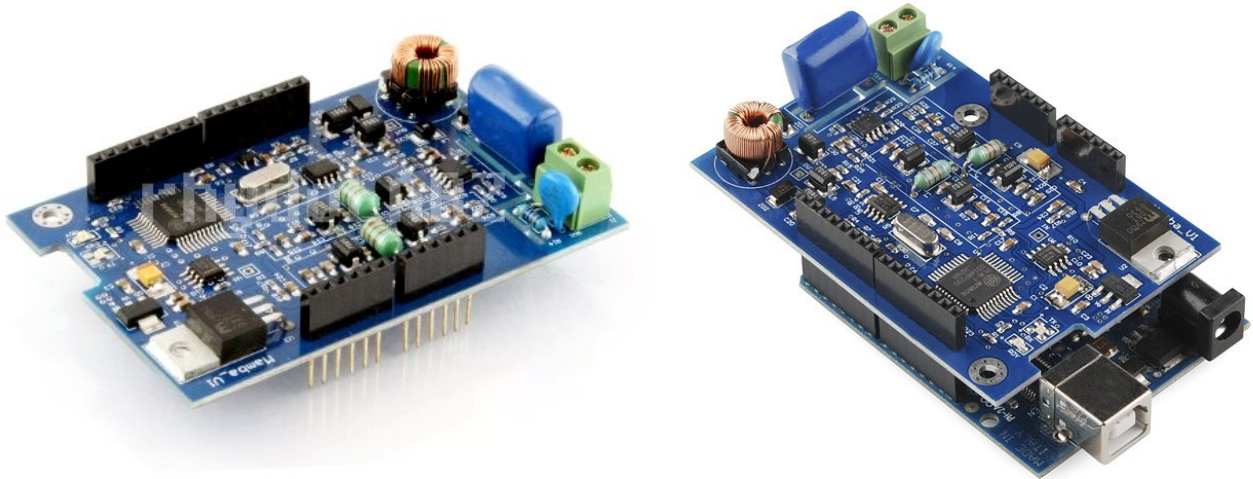


# SparkFun

## Mamba Shield

sku: DEV-10918



**Description:** Power line communications technology is a way of carrying data on a conductor that can also be used for power transmission. You can use it to pass a control signal through the electrical wiring in a house for home automation. LinkSprite's Mamba shield gives your Arduino this ability. This Narrowband Powerline Communication shield can be controlled by your Arduino board using a simple SPI interface.

Now you can take advantage of your house wiring instead of relying on a complex mesh network for home automation of data acquisition.

**Note:** You will need to supply at least 1Amp for the shield to function correctly.

**Note:** Please be aware that connecting anything to mains wiring can be dangerous. Use caution when playing with anything that is connected to a high voltage line. If you don't know what you're doing then read up first or have someone teach you, it's better than learning 'the hard way.'

**Documents:**

- [Schematic](#)
- [Example Code](#)
- [Step-by-Step Guide](#)