

Power Line Modem

Power line communication (PLC) leverages the existing power line infrastructure and provides cost-effective approach for introducing intelligent monitoring and control to many industrial applications. It makes PLC one of the leading enabling technologies for Smart Grid applications ranging from smart metering, lighting control, solar, plug-in electrical vehicle home and building automation of heat and air conditioning, and security.



Features

- Low cost and simple to use.
- Direct interface with microcontroller uart TX,RX pins.
- External 5v and ground.

Applications

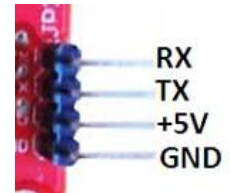
- Lighting control.
- Smart Grid applications.
- Plug-in electrical vehicle home.
- Building automation of heat and air conditioning, and security.

Specifications

Parameter	Value
power supply	5v
Data rate	9600bps

Pin Details

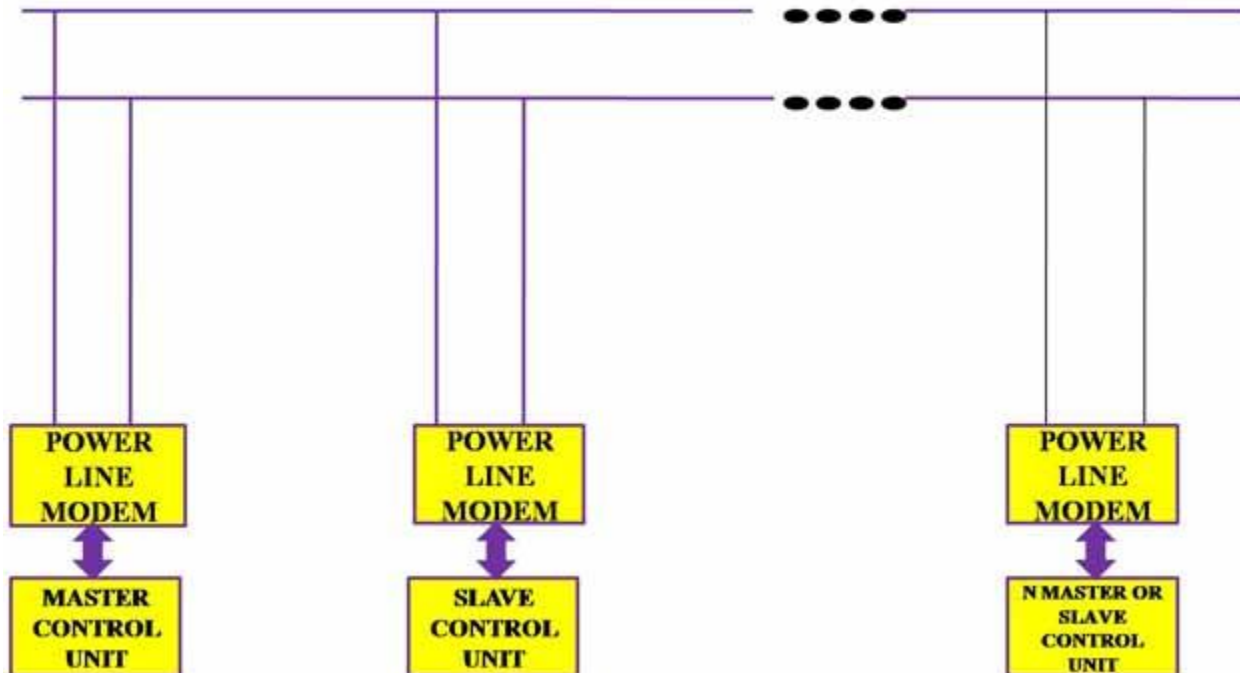
Pin	Name	Details
1	rx	receiver
2	tx	transmitter
3	5v	Power supply
4	GND	ground



Working

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POWER LINE 230V/50Hz

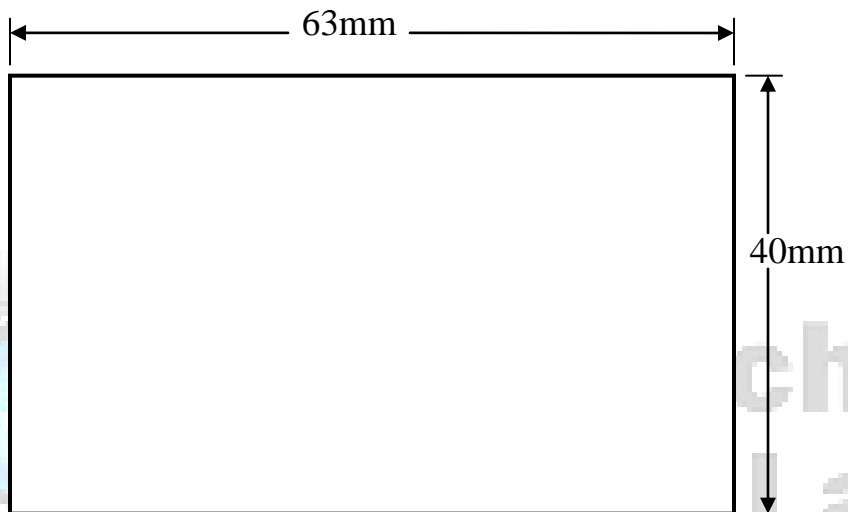


Sample Application

To view sample code and schematic click the below link:

<http://researchdesignlab.com/index.php/modules/power-line-modem.html>

Board Dimensions



To buy this product click the below link

<http://researchdesignlab.com/index.php/modules/power-line-modem.html>