

PLC Stamp Multi

Introduction

The PLC Stamp Multi is a versatile PowerLine Communication (PLC) module that can be interfaced with the host through either a traditional SPI interface or a 100BaseT Ethernet port. Its key strength is the versatility of supporting different PLC chipsets from different manufacturers in one uniform package, providing ease in switching or replacing parts during supply chain disruptions. A variant using Vertexcom's MSE1021 chipset is already available. Specifically designed for electric vehicle charging systems, it complies with the ISO 15118-3 standard, suitable for CCS. The essential signal transformer can be purchased through chargebyte as well.

Key Features

- ISO 15118-3 compliant
- low Power consumption
- 3 different PLC chipset variants in one small footprint

Application

- communication in ISO 15118-compliant electric vehicle charging systems

Operational

Parameter	Value
Power supply	3.3 V + 5 V
Weight	5 g
Outline dimension	35.56 x 25.4 mm
Temperature range	-40 °C - 85 °C
Maximum Power consumption	< 1 W
PLC Data rate	max. 10 MBit/s



Interfaces

- SPI
- 100BaseT Ethernet