



## PiCAN 2 with SMPS DATASHEET

This PiCAN board provide CAN-Bus capability for the Raspberry Pi 2. It uses the Microchip MCP2515 CAN controller with MCP2551 CAN transceiver. Connections are made via DB9 or 4 way screw terminal. This board has a 5v 1A SMPS that can power the Pi is well via the screw terminal or DB9 connector.

Easy to install SocketCAN driver. Programming can be done in C or Python.

### Features

- CAN v2.0B at 1 Mb/s
- High speed SPI Interface (10 MHz)
- Standard and extended data and remote frames
- CAN connection via standard 9-way sub-D connector or screw terminal
- Compatible with OBDII cable
- Solder bridge to set different configuration for DB9 connector
- 120 $\Omega$  terminator ready
- Serial LCD ready
- LED indicator
- Foot print for two mini push buttons
- Four fixing holes, comply with Pi Hat standard
- SocketCAN driver, appears as can0 to application
- Interrupt RX on GPIO25
- 5v 1A SMPS to power Raspberry Pi and accessories from DB9 or screw terminal
  - Reverse polarity protection
  - High efficiency switch mode design
  - 6v to 30v input range

Product name	PiCAN CAN-Bus Board for Raspberry Pi
Model number	RSP-PiCAN2SMPS
Manufacturer	SK Pang Electronics Ltd