

# TRB256 Powering Options

[Main Page](#) > [TRB Gateways](#) > [TRB256](#) > [TRB256 Manual](#) > **TRB256 Powering Options**

This chapter contains information on **powering options** supported by TRB256 devices.

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## Contents

- [1 Power socket](#)

## Power socket

The TRB256 device can be powered over the 4 pin connector using a 9-30 VDC power supply unit (PSU). Refer to the image below for the power socket pinout information:

### 16 Pin Terminal Block Power Pinout

| No. | Description        | Wire color |
|-----|--------------------|------------|
| 1   | Power positive pin | Red        |
| 2   | Power negative pin | Black      |



If you decide not to use the standard 9 VDC PSU and want to power the device from a higher voltage, please make sure that you choose a power supply of high quality. Some power supplies can produce voltage peaks significantly higher than the declared output voltage, especially during connection and disconnection.

While the device is designed to accept input voltage in the range of 9-30 VDC, high voltage power supplies can harm the device. If you want to use high voltage power supplies it is recommended to also use additional safety equipment to suppress voltage peaks from the power supply.