AZ-Delivery

Breadboardadapter für ESP8266-01 Modul Datenblatt
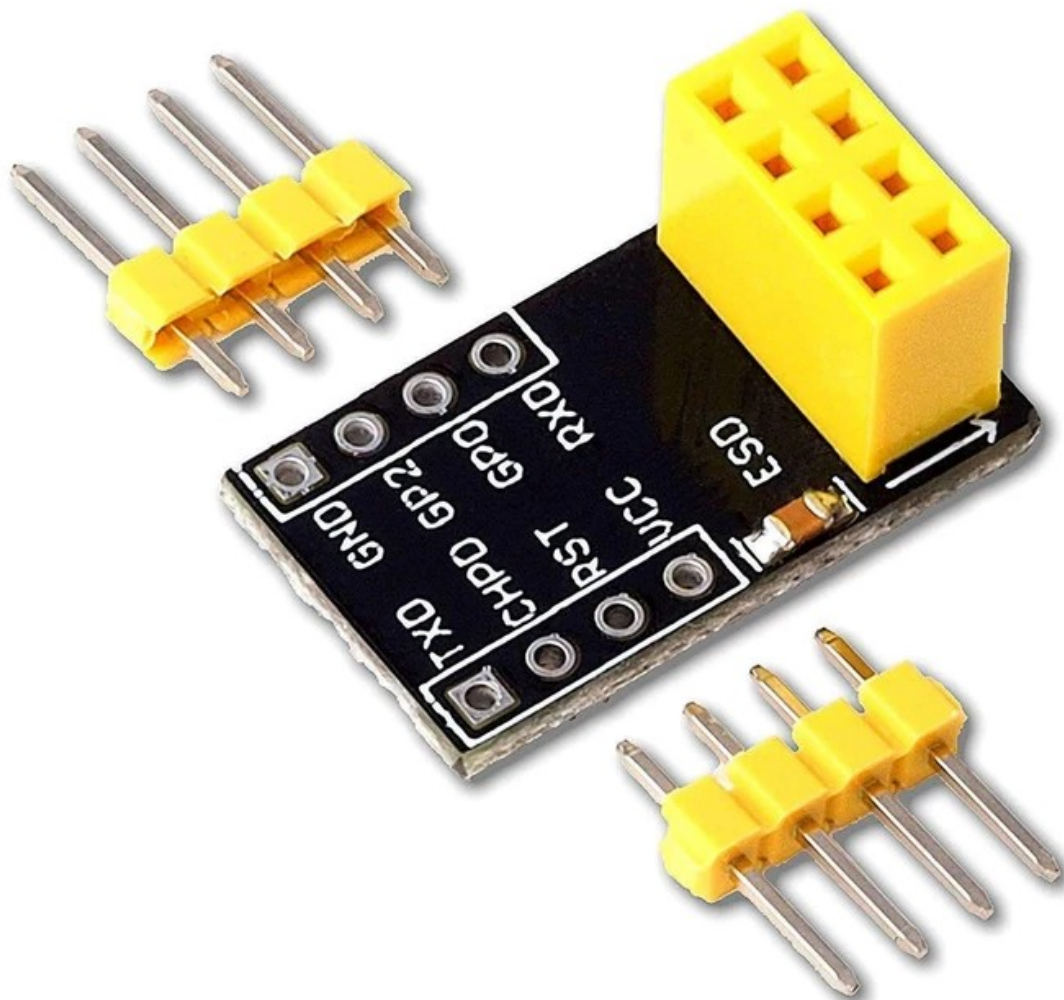
Contents:

1. Description

This is a handy tool that enables you to connect ESP8266-01S to the breadboard. ESP8266-01S is not breadboard friendly, so you need some breakout board like Breadboard Adapter to be able to connect ESP-01S to the breadboard.

ESP8266-01S have 2x4 male header that we can not connect to the breadboard, so we need breakout board that have two 1x4 male headers, separated in a way that can fit to the breadboard properly, and also have 2x4 female header on which we can connect ESP8266-01S. The module that can do this is Breadboard Adapter. It's small dimensions enables us to connect it to the breadboard and consume so small space allowing us to connect many more modules to the breadboard also.

2. Specifications

- » Two 1x4 yellow male headers
- » One 2x4 female header
- » Dimensions 14x23x20 mm
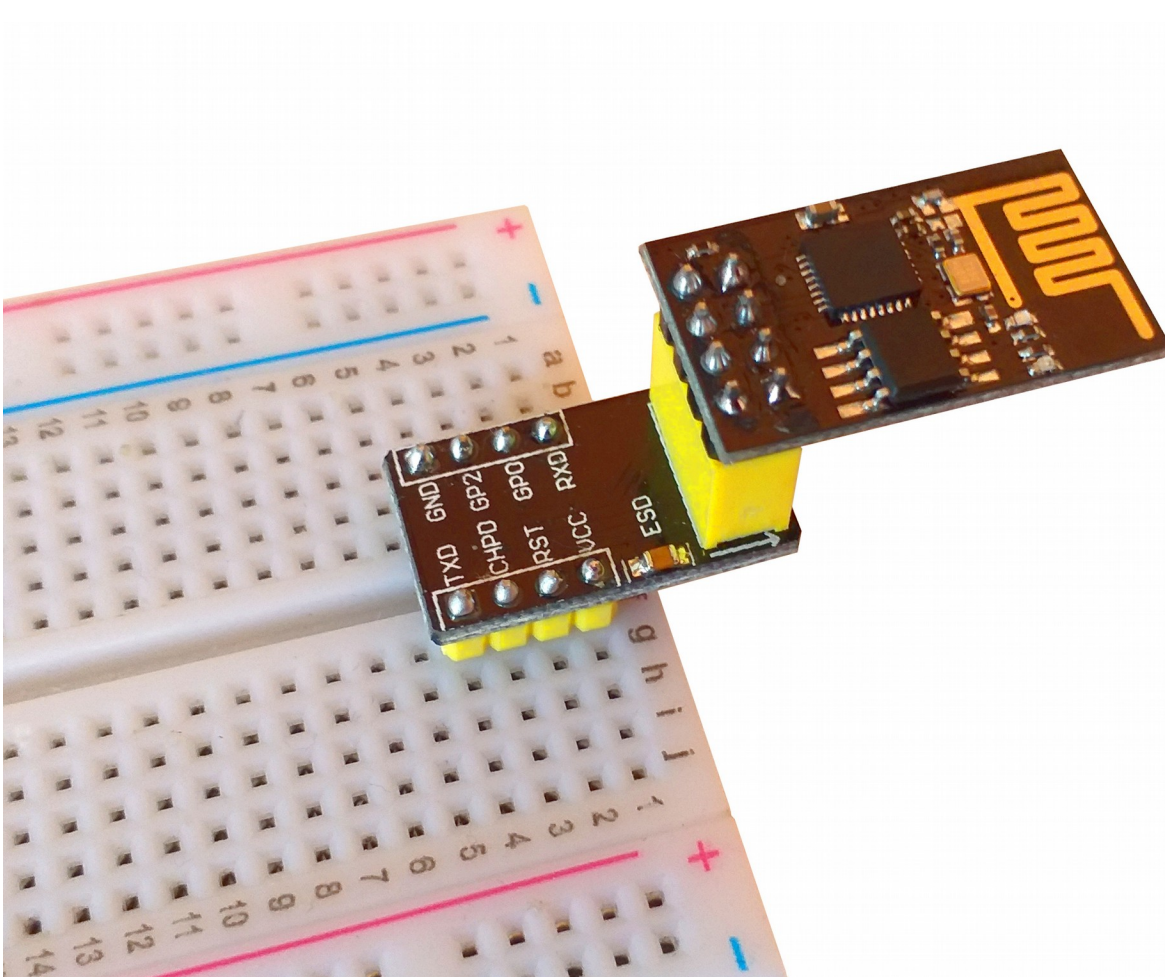- » Easy mountable with breadboard and ESP8266-01S

3. Pin Configuration
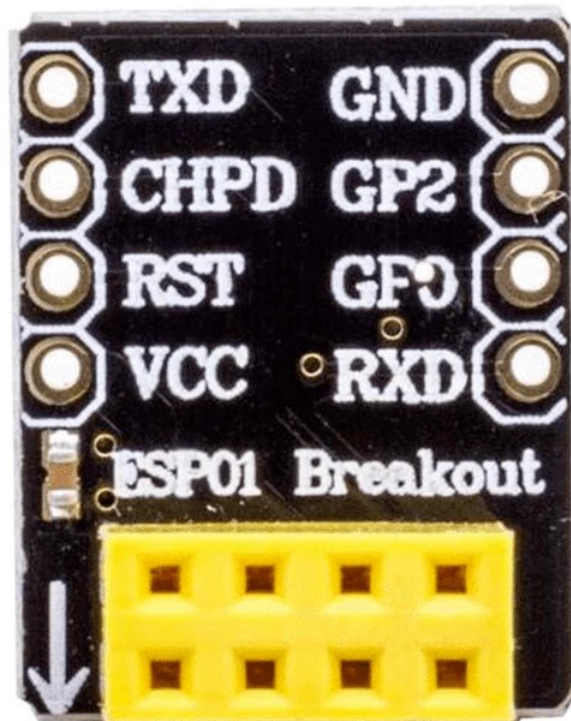
VCC	+3.3V power supply
GND	Ground (0V)
GP0	General Purpose Input/Output pin 0
GP2	General Purpose Input/Output pin 2
CHPD	Chip Enable
RST	Reset
RXD	Receive line of Serial Interface
TXD	Transmit line of Serial Interface

2x4 female header > ESP8266-01S connection header

4. Wiring

5. Testing

Before connecting to the power supply:

1. Check with multimeter if some of soldered pins are mistakenly connected together, because wrong connections can destroy ESP8266-01S module.

2. Make sure that power supply is set to +3.3V, because ESP82266-01S works on +3.3V and any higher voltage can destroy it!

3. Make sure that orientation of ESP8266-01S relative to the breadboard adapter is as on wiring image on last page!

If ESP8266-01S doesn't respond:

1. Check again for wrong connections (wrong connected jumper wires), make sure that power supply +3.3V and GND wires are connected properly.

2. Check if program sketch is correct

3. Measure power supply output, does it outputs more or less than +3.3V?

4. Change the ESP8266-01S, just to make sure that the problem is not related to the single module.