

Code: ESP-01-CH340-ESP8266

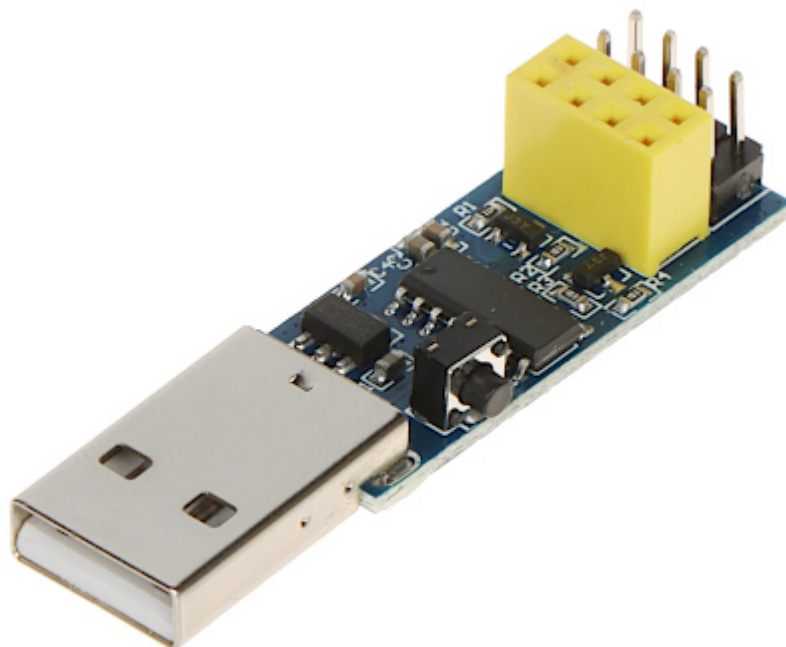
## USB - UART 3.3V INTERFACE **ESP-01-CH340-ESP8266**

The ESP-01-CH340-ESP8266 interface (also known as the programmer) is a device that mediates data exchange between the computer (USB port) and modules based on the ESP8266 chip (using asynchronous UART 3.3V communication). The programmer enables, for example, saving your own program in the memory of the connected controller, or communication between the computer and the module via the USB port. The device was made based on the popular CH340 converter.

The presented model of the UART interface is equipped with a dedicated goldpin socket for connecting the ESP-01S module. In addition to a dedicated socket, the device has goldpin type leads for all pins, so they can be easily used to communicate with other modules built on the basis of the Espressivo chip.

The device is fully compatible with commonly used programming environments: Arduino IDE, ESP8266Flasher and Espressif FLASH\_DOWNLOAD\_TOOLS. Depending on the operating system used, installation of appropriate drivers may be required for the proper operation of the interface.

The programmer is powered from the USB port and does not require an external power supply.



|                       |                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compatibility:        | ESP01, ESP01 and others                                                                                                                                                                |
| Connectors type:      | <ul style="list-style-type: none"> <li>• 1 x USB-A plug,</li> <li>• 1 x 8x goldpin socket (dedicated to ESP01 / ESP01S),</li> <li>• 8 x goldpin plug - Leading out the pins</li> </ul> |
| USB <> TTL Converter: | CH340                                                                                                                                                                                  |
| TTL voltage:          | 3.3 V                                                                                                                                                                                  |
| Power output:         | 3.3 V                                                                                                                                                                                  |
| Main features:        | RESET button                                                                                                                                                                           |
| Power supply:         | 5 V - from USB port                                                                                                                                                                    |
| Weight:               | 0.004 kg                                                                                                                                                                               |
| Dimensions:           | 50 x 14 x 12 mm                                                                                                                                                                        |
| Guarantee:            | 2 years                                                                                                                                                                                |