

SPI TO ETHERNET INTERFACE CONVERTER

Ethernet module



With this SPI-Ethernet interface converter you can expand for example your Arduino or your Raspberry Pi Pico with an Ethernet interface.

The integrated W5500 chip enables simple control via the SPI interface and due to its great popularity, both in the maker and industrial sectors, there are already a large number of application examples and libraries to be found online. To process the Ethernet packets, the chip has an integrated 32 kB memory buffer.

In addition, the module is highly integrable due to its design and size.

MAIN FEATURES

Model	RJ45 Connector module with W5500 chip with status LED
Special feature	integrates full TCP/IP protocol, wake up after power failure
Flash storage	32KB TX RX cache buffer
Supply voltage	3,3 V
Working current	Min. 200 mA
Logic level	3,3 V; 5 V tolerant
SPI clock frequency	Up to 80 MHz
Transmission rate	10/100 MBps

FURTHER SPECIFICATIONS

Ethernet standard	10BaseT / 100BaseTX
Supported TCP/IP Protocols	TCP, UDP, ICMP, IPv4, ARP, IGMP, PPPoE
Operating temperature	-25°C to 70°C
Compatible with	Arduino, Raspberry Pi etc.
Dimensions	23 x 29 x 24 mm
Items delivered	SPI to Ethernet converter

FURTHER DETAILS

Article No.	SBC-USR-ES1
EAN:	4250236822211
Customs Tariff No.	8473302000