

## ETH Click



PID: MIKROE-971

**ETH Click** is a compact add-on board that manages the communications between the system's digital processing and an Ethernet interface. This board features the [ENC28J60](#), a stand-alone Ethernet controller with an industry-standard Serial Peripheral Interface (SPI) from [Microchip](#), designed to serve as an Ethernet network interface for any host MCU. The ENC28J60 meets all the IEEE 802.3 specifications and incorporates several packet filtering schemes to limit incoming packets. It also provides an internal DMA module for fast data throughput and hardware-assisted checksum calculation used in various network protocols alongside two LEDs for link and network activity indication. This Click board™ is suitable for industrial automation, home control, security and instrumentation applications, and many more.

ETH Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	Ethernet
Applications	Can be used for industrial automation, home control, security and instrumentation applications, and many more
On-board modules	ENC28J60 - stand-alone Ethernet controller from Microchip
Key Features	IEEE 802.3™ Compatible Ethernet Controller, fully compatible with 10/100/1000Base-T networks, integrated MAC and 10Base-T PHY, Half-Duplex Mode, SPI interface, configurable 8Kb TX/RX buffer, multifunctional interrupt, link and network status indicators, and more
Interface	GPIO,SPI
ClickID	Manifest,No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[ETH Click User Manual](#)

[ETH click example on Libstock](#)

[ETH click 2D and 3D files](#)

[ENC28J60 datasheet](#)

[ETH click schematic](#)

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