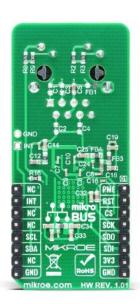


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## ETH 3 Click





PID: MIKROE-2850

**ETH 3 Click** is a compact add-on board that contains Ethernet Controller & PHY for embedded applications. This board features the <u>LAN9250</u>, a fully featured 10/100 Ethernet controller that provides performance, flexibility, ease of integration, and system cost control from <u>Microchip Technology</u>. It complies with the IEEE802.3 (Full/Half-Duplex 10BASE-T and 100BASE-TX) Ethernet protocol, IEEE 802.3az Energy Efficient Ethernet (EEE)(100Mbps only), and the IEEE 1588v2 precision time protocol. It also includes an integrated Ethernet MAC and PHY with a high-performance SRAM-like slave interface and large transmit and receive data FIFOs to accommodate high latency applications. This Click board ™ is suitable for industrial automation systems, cable, satellite, and IP set-top boxes, VoIP/Video phone systems, home gateways, test and measurement equipment, and more.

ETH 3 Click is supported by a  $\underline{\mathsf{mikroSDK}}$  compliant library, which includes functions that simplify software development. This  $\underline{\mathsf{Click}}$  board $^{\mathsf{TM}}$  comes as a fully tested product, ready to be used on a system equipped with the  $\underline{\mathsf{mikroBUS}}^{\mathsf{TM}}$  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.









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## **Specifications**

Туре	Ethernet
Applications	Can be used for industrial automation systems, cable, satellite, and IP set-top boxes, VoIP/Video phone systems, home gateways, test and measurement equipment, and more.
On-board modules	LAN9250 - fully-featured high-performance 10/100 Ethernet controller designed for embedded applications, where performance and flexibility are required, from Microchip Technology
Key Features	16-bit 10/100 industrial Ethernet controller & PHY, high performance, compliant with energy efficient Ethernet, Wake on LAN (WoL) support, SPI/SQI/I2C interface support, and more.
Interface	I2C,SPI
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

## **Resources**

mikroBUS™

**mikroSDK** 

Click board™ Catalog

Click boards™

## **Downloads**

ETH 3 click 2D and 3D files

LAN9250 datasheet

ETH 3 click schematic

