MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
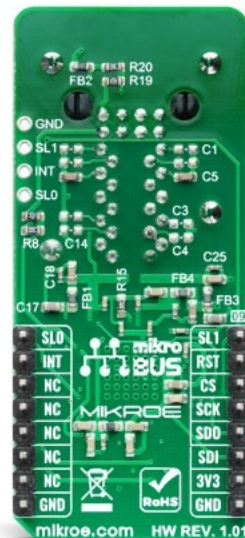www.mikroe.com

EtherCAT Click

PID: MIKROE-2851

EtherCAT Click is a compact add-on board that provides a cost-effective solution for realizing EtherCAT device solutions on various processors over the SPI interface. This board features the LAN9252, a 2-port EtherCAT device controller with dual integrated Ethernet PHYs from Microchip Technology. Each PHY contains a full-duplex 100BASE-TX transceiver and supports 100Mbps operation. The LAN9252 supports HP Auto-MDIX, allowing the use of direct connects or cross-over LAN cables. It communicates with MCU via a synchronous device SPI/SQI interface and can operate in Digital I/O Mode, where signals can be controlled or monitored by the EtherCAT Master. This Click board™ is suitable for industrial control, process/factory automation, hydraulic and pneumatic valve systems, power, and many more.

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	Ethernet
Applications	Can be used for industrial control, process/factory automation, hydraulic and pneumatic valve systems, power, and many more.
On-board modules	LAN9252 - 2-port EtherCAT slave controller with dual integrated Ethernet PHYs from Microchip Technology
Key Features	2/3-port EtherCAT slave controller, integrated Ethernet PHYs with HP Auto-MDIX, wake on LAN (WoL) support, high performance, synchronous slave SPI/SQI interface, and more.
Interface	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

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

[EtherCAT click schematic](#)

[LAN9252 datasheet](#)