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## **BroadR-Reach Click**



PID: MIKROE-2796

**BroadR-Reach click** brings the industry grade communication standard to the mikroBUS $^{\text{TM}}$ , which is built to be used in an Ethernet-based open network. The click board is equipped with the BCM54811 Transceiver from <u>Broadcom Limited</u>, which is used to provide the hardware PHY layer for the network, and the <u>W3150A+</u> from <u>WizNet</u>, a hardware LSI protocol stack, that provides an easy and low-cost solution for high-speed Internet connectivity for digital devices by allowing simple installation of TCP/IP stack in the hardware.

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	It can be used for realizing network in the industrial environment, and other places that require a good and reliable Ethernet-based open network.
On-board modules	BCM54811 BroadR-Reach capable Ethernet PHY IC from Broadcom, W3150A+ hardware LSI protocol stack by WizNet, PIC16F18313 controller from Microchip.
Key Features	Robust and reliable interface, designed to be used in industrial and noisy environments, only one twisted pair required for the full duplex communication.
Interface	GPIO,SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

## Resources

mikroBUS™ standard specification

**mikroSDK** 

Click board™ Catalog

Click Boards™

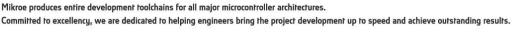
## **Downloads**

BroadR-Reach click example on Libstock

**BroadR-Reach click schematic** 

W3150A datasheet

BroadR-Reach click 2D and 3D files







health and safety management system.