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

BroadR-Reach Click

PID: MIKROE-2796

BroadR-Reach click brings the industry grade communication standard to the mikroBUS™, which is built to be used in an Ethernet-based open network. The click board is equipped with the BCM54811 Transceiver from Broadcom Limited, which is used to provide the hardware PHY layer for the network, and the W3150A+ from WizNet, 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.

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Specifications

Type	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