

H-Bridge 16 Click



PID: MIKROE-5926

H-Bridge 16 Click is a compact add-on board with an H-Bridge gate driver, also known as a full-bridge pre-driver. This board features the [DRV8262](#), a dual H-Bridge motor driver from [Texas Instruments](#). The motor driver is designed for a variety of industrial applications and can drive one or two brushed DC motors, one stepper motor, and one or two thermoelectric coolers (TEC). It can operate in a wide supply voltage range of 4.5V to 65V. This Click board™ makes the perfect solution for the development of factory automation, medical equipment, robotics, TEC drivers, and more.

H-Bridge 16 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	Brushed
Applications	Can be used for the development of factory automation, medical equipment, robotics, TEC drivers, and more
On-board modules	DRV8262 - dual H-Bridge motor driver from Texas Instruments
Key Features	A dual H-Bridge motor driver, can drive one or two brushed DC motors, one stepper motor, and one or two thermoelectric coolers (TEC), high output current capability, programmable interface of operation, integrated current sense and regulation, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

[ClickID](#)

Downloads

[PCA9538A datasheet](#)

[DRV8262 datasheet](#)

[H-Bridge 16 click 2D and 3D files](#)

[H-Bridge 16 click schematic](#)

[H-Bridge 16 click example on Libstock](#)

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