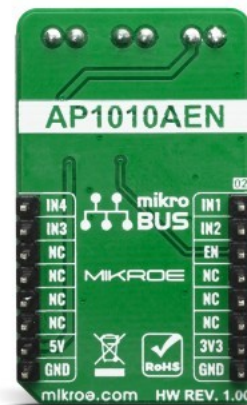
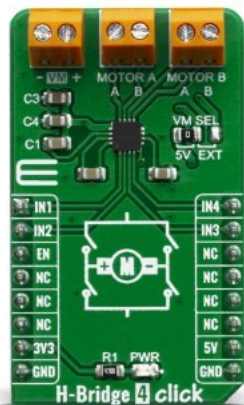


H-Bridge 4 Click



PID: MIKROE-3787

H-Bridge 4 Click is a Click board™ that contains the AP1010AEN, which is a two channel H-Bridge motor driver compatible with a motor operating voltage up to 18V and can drive two DC motors or one stepper motor. The protection circuit has under voltage lockout circuit, thermal shutdown circuit, and overcurrent protection circuit, and overcurrent protection circuit can be disabled with the DIS OCP terminal.

H-Bridge 4 click supports multiple connection options and can be used in different application setups which might include DC or Stepper motors.

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, Stepper
Applications	Can be used for a wide range of different applications which require two DC motors or one stepping motor.
On-board modules	AP1010AEN, which is a 2ch H-Bridge motor driver compatible with a motor operating voltage 18V
Key Features	The protection circuit has under voltage lockout circuit, thermal shutdown circuit, and overcurrent protection circuit, and overcurrent protection circuit can be disabled with the DIS OCP terminal
Interface	GPIO
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V, 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[H-Bridge 4 click example on Libstock](#)

[H-Bridge 4 click 2D and 3D files](#)

[AP1010AEN datasheet](#)

[H-Bridge 4 click schematic](#)

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).