

DC Motor 17 Click



PID: MIKROE-4454

DC Motor 17 Click is a compact add-on board that contains a brushed DC motor driver. This board features the TC78H660FTG, a dual H Bridge driver for one or two brushed motors that incorporate a DMOS with low on-resistance in output transistors from Toshiba Semiconductor. This IC is a PWM controlled constant-current drive with supply voltages from 2.5V to 16V and 2A of output current. It features a sense-resistor less current control architecture and VCC regulator for the internal circuit. Also offers multi-error detect functions with error detection flag output function. This Click board™ is suitable for driving DC motors, controlling the direction of the rotation, as well as brake and regulate the motor current.

DC Motor 17 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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 driving DC motors, controlling the direction of the rotation, as well as brake and regulate the motor current.
On-board modules	DC Motor 17 Click is based on the TC78H660FTG, a dual H Bridge driver for one or two DC brushed motors that incorporates a DMOS with low on-resistance in output transistors from Toshiba Semiconductor.
Key Features	Built-in dual H Bridge, built-in sense resistor, multi error detect functions, error detection flag, selectable operating modes, and more.
Interface	GPIO,PWM
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V,5V,External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[TC78H660FTG datasheet](#)

[MAX6100 datasheet](#)

[DC Motor 17 click 2D and 3D files](#)

[DC Motor 17 click schematic](#)

[DC Motor 17 click example on Libstock](#)

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