

CAN FD 6 Click



PID: MIKROE-4572

CAN FD 6 Click is a compact add-on board containing a CAN transceiver that supports CAN and CAN FD protocols. This board features the TCAN4550, a CAN FD controller that provides an interface between the CAN bus and the CAN protocol controller up to 5 megabits per second (Mbps) from Texas Instruments. Characterized by high-bandwidth and data-rate flexibility, it provides an interface between the CAN bus and the system processor through an SPI interface, supporting classical CAN and CAN FD, and supports wake-up features local and bus wake using the CAN bus. This Click board™ is suitable for high-speed CAN networks in automotive and industrial applications, especially where low-power mode with wake-up capability via the CAN bus is required.

CAN FD 6 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	CAN,CAN FD
Applications	Can be used for high-speed CAN networks in automotive and industrial applications, especially where low-power mode with wake-up capability via the CAN bus is required.
On-board modules	TCAN4550 - CAN FD controller that provides an interface between the CAN bus and the CAN protocol controller up to 5Mbps from Texas Instruments
Key Features	Low power consumption, classic CAN backwards compatible, wide operating range, optimized behavior when unpowered, high-bandwidth, data-rate flexibility, and more.
Interface	SPI
ClickID	No
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™](#)

Downloads

[TCAN4550 datasheet](#)

[MCP1804 datasheet](#)

[CAN FD 6 click 2D and 3D files](#)

[CAN FD 6 click schematic](#)

[CAN FD 6 click example on Libstock](#)

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