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DTMF Click

PID: MIKROE-5997

DTMF Click is a compact add-on board designed for projects that demand reliable telephony interactions. This board features the CMX865A, a DTMF Codec/FSK Combo multi-standard modem from CML Micro. The CMX865A excels in encoding and decoding DTMF signals, alongside supporting FSK data transmission compatible with V.23, V.21, Bell 103, and Bell 202 standards, making it versatile for various telephony applications. It's particularly adept at enabling dual-mode operations for transmitting and receiving data, ensuring high fidelity in signal processing and resistance to voice falsing. Ideal for security systems, automated response services, and IoT devices requiring telephonic interaction, DTMF Click provides a solution for developers looking to incorporate reliable telecommunication capabilities.

DTMF 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.

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Specifications

Type	Signal Processing
Applications	Ideal for security systems, automated response services, and IoT devices requiring telephonic interaction
On-board modules	CMX865A - DTMF Codec/FSK Combo multi-standard modem from CML Micro
Key Features	High-quality telephony communication, DTMF encoding/decoding and FSK data transmission, multi-standard FSK compatibility, resistance to voice falsing and noise interference, dual-mode operation, low power consumption, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[DTMF click example on Libstock](#)

[DTMF click 2D and 3D files](#)

[DTMF click schematic](#)

[P1200 datasheet](#)

[CMX865A datasheet](#)