

Part Number: MIKROE-3512

Description: Fusion for Arm® Development Board

**MikroElektronika presents a development board with a debugger over Wi-Fi**



The MIKROE-3512 Fusion for Armv8 development board from MikroElektronika is designed for rapid development of embedded applications. Redesigned from the ground up, it offers broad set of standards as well as several unique features never seen before in the world of embedded electronics: programming and debugging over Wi-Fi network, support for many different Arm Cortex®-M based microcontrollers regardless of their pin number, and more. The development board is designed so that the developer has everything that might be needed, following the Swiss Army knife concept: a highly advanced programmer/debugger module, a powerful and clean power supply module, a huge set of connectivity options including USB, Ethernet, CAN (on the MCU Card, if supported), and UART, as well as a set of MikroE proprietary standards and technologies, including the well-established mikroBUS™ standard, a standardized MCU card socket, and a standardized 2 x 20 display connector. Several interactive options are also available including buttons, LEDs, switches, and more. All these features are packed on a single development board, which itself uses innovative manufacturing technologies, delivering fluid and immersive working experience.

The powerful CODEGRIP module, an Arm Cortex-M compatible programmer/debugger, supports a wide range of different Arm Cortex-M based MCUs produced by several major chip vendors. It allows in-place programming and debugging of all supported microcontrollers, offering many options including the support for JTAG, SWD and SWO Trace (single wire output), seamless integration with the MikroE software environment, and some powerful and unique features such as the programming/debugging over Wi-Fi. Fusion for the Armv8 development board is also an integral part of the MikroE rapid development ecosystem. Natively supported by the MikroE software toolchain and backed up by hundreds of different Click board™ designs with their number growing on a daily basis, it covers many different prototyping and development needs, saving precious development time.