

mikromedia 7 for STM32F7

MIKROE-2438

Weight: 638 g



Vivid 7" 800x480px touch screen and over 30 on-board modules, including Ethernet, WiFi and ICD1 debugger all packed onto a single board. Everything is orchestrated by the mighty [STM32F746ZG](#) ARM Cortex-M7 microcontroller family.

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Start building your applications with intuitive, user-friendly menus and dashboards using powerful STM32 ARM Cortex-M7 microcontroller. This board provides a compact high-quality multimedia development platform for STM32F746ZG device.



Power of 216 Mhz

Twice faster than M4, this is the fastest MCU offer : STM32F746ZG with the top-performance ARM core M7.



7" Touch Screen

Huge touchscreen in 800x480px resolution brings awesome graphics and vivid colors. You've never seen such a big display driven just by a microcontroller.



ST WiFi module

Internet of things - check! The onboard SPWF01SA WiFi module has its own STM32 MCU, with full featured TCP/IP protocol stacks integrated.



Debugger on board

With the onboard mikroProg programmer and debugger, there's no need for external programmers, just plug in the USB cable and there you go!

Programming

Board features mikroProg for STM32 programmer and debugger. All you need to do is plug the USB cable and use mikroProg Suite for ARM or other programming software to upload new device firmware.

Compilers

mikromedia 7 for STM32F7 is fully supported by [mikroC](#), [mikroBasic](#) and [mikroPascal](#) compilers for ARM. Compilers come with dozens of examples that demonstrate every feature of the board.

GUI design with Visual TFT

Easily create fantastic colourful graphical user interfaces (GUI) for mikromedia in Visual TFT software. Even total beginners will be able to create amazing applications.

Package contains

- Damage resistant protective box
- mikromedia 7 for STM32F7 board
- USB cable, Ethernet cable and two 1x26 headers
- Plastic Pen, microSD card 2GB and 4 distancers
- Documentation