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# Mikromedia 5 for PIC32MZ **Capacitive**



PID: MIKROE-4731

#### Rich with peripherals

Mikromedia 5 for PIC32MZ CAPACITIVE is not limited to multimedia-based applications only. USB, Ethernet, WiFi and RF connectivity options, digital motion sensor, battery charging functionality, piezo-buzzer, SD card reader, and much more expands its use beyond the multimedia.

Two standardized 1x26 pin headers expose the available MCU pins to the user, adding another layer of expandability. By using mikromedia 5 shield, connectivity can be further expanded with several mikroBUS<sup>™</sup> sockets, additional connectors, peripherals, and so on.

# Awesome graphics on MCU driven TFT

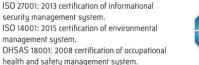
Mikromedia 5 for PIC32MZ CAPACITIVE is a compact development board designed as a complete solution for the rapid development of multimedia and GUI-centric applications. By featuring a 5" TFT display with capacitive touch screen driven by the powerful graphics controller that can display the 24-bit color palette (16.7 million colors), along with a DSPpowered embedded sound CODEC IC, represents a perfect solution for any type of multimedia application.

### Develop-on & build-in the same board

management system.

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.









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Mikromedia 5 for PIC32MZ CAPACITIVE is designed as the complete solution which can be implemented directly into any project, with no additional hardware modifications required. At its core, there is a powerful 32-bit PIC32MZ2048EFH144 microcontroller, produced by Microchip, which provides sufficient processing power for the most demanding tasks. Four mounting holes at all four corners allow simple installation with mounting screws. For most applications, a nice stylish casing is all that is needed to turn the Mikromedia 5 for PIC32MZ CAPACITIVE development board into a fully functional, high-performance, feature-rich device.

www.mikroe.com

## **Specifications**

Туре	mikromedia
Architecture	PIC32 (32-bit)
Display size	5"
Resolution	800x480px
Graphic controller	SSD1963
Touch Screen	Capacitive
Silicon Vendor	Microchip
Frame Type	Standard
Features	Optical sensor,ETH,RF,RGB LED,SD Card,Temperature sensor,USB Host,USB Type C,WiFi,ON/OFF switch,MP3,IR receiver,External DC source,Buzzer,Battery Powered,Battery for RTC,Batt. Chg. when OFF,Accel
Display type	mikromedia

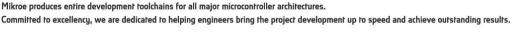
#### **Downloads**

Mikromedia 5 for PIC32MZ Capacitive schematic

Mikromedia 5 for PIC32MZ Capacitive 2D and 3D files

Mikromedia 5 for PIC32MZ Capacitive manual

Mikromedia 5 for PIC32MZ Capacitive example on libstock



health and safety management system.





