

# Mikromedia 4 for PIC32MZ Capacitive



PID: MIKROE-4730

## Rich with peripherals

Mikromedia 4 for PIC32MZ CAPACITIVE is not limited to multimedia-based applications only. USB, digital motion sensor, battery charging functionality, 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 4 shield, connectivity can be further expanded with several mikroBUS™ sockets, additional connectors, peripherals, and so on.

## Awesome graphics on MCU driven TFT

Mikromedia 4 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 4.3" 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 DSP-powered embedded sound CODEC IC, represents a perfect solution for any type of multimedia application.

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

Mikromedia 4 for PIC32MZ CAPACITIVE is designed as the complete solution which can be

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).

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 4 for PIC32MZ CAPACITIVE development board into a fully functional, high-performance, feature-rich device.

## Specifications

|                    |   |
|--------------------|---|
| Type               | mikromedia  |
| Architecture       | PIC32 (32-bit)  |
| Display size       | 4.3"  |
| Resolution         | 480x272px   |
| Graphic controller | SSD1963   |
| Touch Screen       | Capacitive  |
| Silicon Vendor     | Microchip   |
| Frame Type         | Standard  |
| Features           | Buzzer,USB Type C,USB Host,Temperature sensor,SD Card,RGB LED,Optical sensor,ON/OFF switch,MP3,IR receiver,External DC source,Battery Powered,Battery for RTC,Batt. Chg. when OFF,Accel |
| Display type       | mikromedia  |

## Downloads

[Mikromedia 4 for PIC32MZ Capacitive Manual](#)

[Mikromedia 4 for PIC32MZ Capacitive schematic](#)

[Mikromedia 4 for PIC32MZ Capacitive 2D and 3D files](#)

[Mikromedia 4 for PIC32MZ Capacitive example on libstock](#)

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