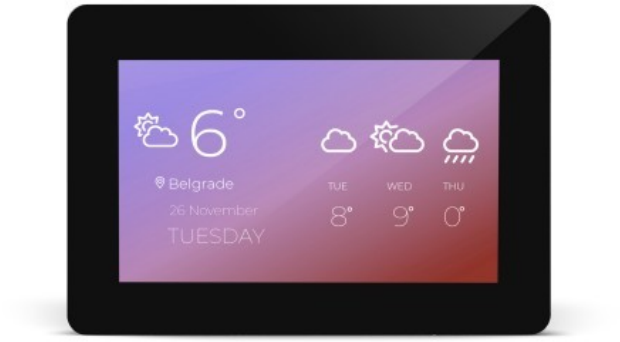
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Mikromedia 4 for PIC32MZ Capacitive FPI with bezel



PID: MIKROE-4984

Rich with peripherals

Mikromedia 4 for PIC32MZ CAPACITIVE FPI with bezel 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.

Mikromedia 4 for PIC32MZ CAPACITIVE FPI with bezel has two mikroBUS™ Shuttle connectors, a brand-new addition to the mikroBUS™ standard in the form of a 2x8-pin IDC header with 1.27mm (50mil) pitch. mikroBUS™ Shuttle extension board is an add-on board equipped with the conventional mikroBUS™ socket, which ensures compatibility with 1147 Click boards™.

Awesome graphics on MCU driven TFT

Mikromedia 4 for PIC32MZ CAPACITIVE FPI with bezel 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

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).

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Mikromedia 4 for PIC32MZ CAPACITIVE FPI (FPI stands for Front Panel Integration) with bezel is designed as the complete solution. It can be implemented directly into any project, with no additional hardware modifications. At its core, there is a powerful 32-bit PIC32MZ2048EFH144 microcontroller, produced by Microchip, which provides sufficient processing power for the most demanding tasks. TFT display with bezel is ideal for handheld devices, or simple installation in various kinds of industrial appliances. For most uses, a nice casing is all that is needed to turn this product into a high-performance, feature-rich device. This board requires the use of an external programmer and debugger, preferably CODEGRIP or mikroProg. The microcontroller can be programmed and debugged over the Microchip ICSP compatible 2x5 pin header, labeled as PROG/DEBUG.

Specifications

Type	mikromedia
Architecture	PIC32 (32-bit)
Display size	4.3"
Resolution	480x272px
Graphic controller	SSD1963
Touch Screen	Capacitive
Silicon Vendor	Microchip
Frame Type	Bezel
Features	USB Type C,SD Card,RF,ON/OFF switch,MP3,External DC source,Buzzer,Battery Powered,Batt. Chg. when OFF

Downloads

Mikromedia 4 for PIC32MZ Capacitive FPI with bezel example on libstock

Mikromedia 4 for PIC32MZ Capacitive FPI with bezel manual

Mikromedia 4 for PIC32MZ Capacitive FPI with bezel schematic

Mikromedia 4 for PIC32MZ Capacitive FPI with bezel 2D and 3D files

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