

PRODUCTS |

SUPPORT

BLOG

Home Smart Displays

mikromedia HMI

mikromedia HMI 4.3"

mikromedia HMI 4.3"

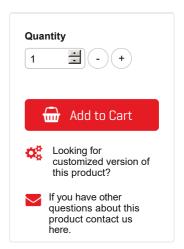


## mikromedia HMI 4.3"

PID: MIKROE-2278

Weight: 135 g

A smart display solution, **mikromedia HMI**4.3" has a high-brightness 480x272px color display on the front, and a powerful FT900Q 32-bit MCU with additional essential circuitry on the back - making it a standalone but cost-effective solution suitable for industrial applications.



DESCRIPTION

**SPECIFICATION** 

**COMPARISON** 

## Table of contents

mikromedia HMI boards are driven by FTDI Chip's FT900Q with their proprietary 32-bit RISC core with industry-leading performance. With execution from shadow memory, the MCU can achieve speeds of 3.1 DMIPS/MHz at 100 MHz. FT900Q has 256KB of Flash memory, a small part of which is taken by the built-in bootloader.

The concept of mikromedia HMI is to keep only the essential components that simplify its integration into a final product, whilst keeping overall costs down.

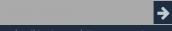
The board integrates a **microSD card** for expanding storage capacity, a **haptic feedback motor**, small **audio speaker**, and a **micro USB connector**. A connector for interfacing the MCU with external electronics, along with a separate connector for FT900Q's **parallel camera interface**.

mikromedia for HMI 4.3" Res has a high-quality **Riverdi display** with **16.7M color depth** and **550 NIT brigtness**. The display is driven by a FT812 graphic controller. A **mounting frame** surrounding the screen simplifies integration.

Tutorial on learn.mikroe.com | Code for demo example on Libstock | Schematics on documentation page.

**Extras.** mikromedia HMI breakout board (sold separately) contains a micro USB port, an RJ-45 ethernet connector, as well as an external programmer connector (ideally used with mikroProg for FT90x). Two 24-pin flat cables are included in the packaging, enabling the use of both mikromedia HMI connectors at the same time (MAIN, CAMERA).





Follow us on:













**PRODUCT LINES** 

 $click\ Boards^{\text{TM}}\ |\ Compilers\ |\ Development\ Boards\ |\ Smart\ Displays\ |\ Programmers\ |\ Development\ Kits$ 

**TOOLCHAINS** 

To give you the best possible experience, this site uses cookies. Using our site means you're agreeing to our use of cookies. We have published a new cookie policy, which you should read to find out more about the cookies we use. View cookies policy.

Got it!

x || port | Distributors | Careers | Internship | Make a click™ program

 $\mathsf{Hexiwear^{\mathsf{TM}}} \mid \mathsf{Libstock^{\mathsf{TM}}} \mid \mathsf{Blog} \mid \mathsf{eBooks} \mid \mathsf{Forum} \mid \mathsf{Outlet} \mid \mathsf{Legacy} \, \mathsf{Products}$