

PRODUCTS

Home Smart Displays

mikromedia HMI

mikromedia HMI 7"

mikromedia HMI 7" UXW

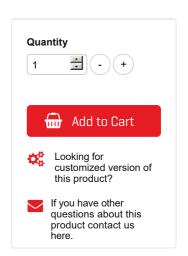


mikromedia HMI 7" UXW

PID: MIKROE-2292

Weight: 330 g

A smart display solution, **mikromedia HMI 7" UXW** has a **800x480px** color display with a capacitive touch panel and decorative white bezel 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

(MAIN, CAMERA).

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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 5" UXW has a high-quality **Riverdi display** with **16.7M color depth** and **550 NIT brigtness**. The display is driven by a FT813 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

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