

PRODUCTS

SHOP

LEARN

DOCS

mikromedia HMI 3.5" Res

LIBSTOCK

FORUM

HELP DESK





Compilers Development Boards Click Boards Debuggers Smart Displays Software Tools Add-On Boards Special

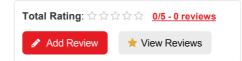


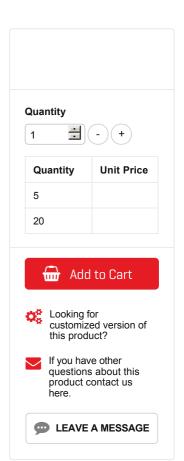
mikromedia HMI 3.5" Res

PID: MIKROE-2276

Weight: 105 g

A smart display solution, **mikromedia HMI**3.5" Res has a 320x240px color display with a resistive touch panel 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

REVIEWS

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).

PRODUCTS IN THE SAME CATEGORY

