



## Matrix RGB click

Matrix RGB click is a mikroBUS™ add-on board powered by a 32-bit FT900 MCU designed specifically for powering 16x32 RGB LED matrices.

The board has a 16 wire IDC connector for connecting to a single 16x32 LED panel; however, the firmware inside the FT900x chip can drive more than one panel.

Multiple panels can be connected to each other into a daisy-chain configuration (see the video). Matrix RGB click communicates with the target MCU through the SPI interface. It uses a 3.3V power supply only.

Complete **kits** with Matrix RGB click, a single 32x32 RGB LED matrix panel (consisting of two 16x32 matrices joined together), and a power supply unit are available to order.

Alternatively, panels and power supplies can be purchased separately.

## Technical Specifications

### Applications

Driving up to 16 16x32 RGB LED panels (more than 32 is possible, but flickering may occur).

### Key features

- Can drive up to 16 panels of 16x32 RGB LEDs
- Removes the load from the host MCU
- Microcontroller can be accessed through separate IDC connector
- Ready-to-use examples save development time

## Don't forget

However powerful, Matrix RGB click is only a driver board, and you need to have one or more RGB panels and a power adapter to see the output. Make sure you add them to your cart along side with the click.

MIKROE-2239

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