

# MINI-32 for PIC32MZ

PID: **MIKROE-2802**

**MINI-32 for PIC32MZ** is a small PIC32 development board containing the PIC32MZ microcontroller (1 MB Live-Update Flash and 512 KB SRAM) with FPU from Microchip.

This compact and powerful development board is designed to work as a standalone device or as an MCU card in DIP40 socket.

MINI-32 for PIC32MZ development board operates on a 3.3V power supply. The onboard voltage regulator allows the board to be powered directly from USB cable.



## Technical Specifications

Key features

PIC32MZ microcontroller

512 KB SRAM

3.3V power supply

1 MB Live-Update Flash

Pre-programmed with Bootloader

## Key Benefits

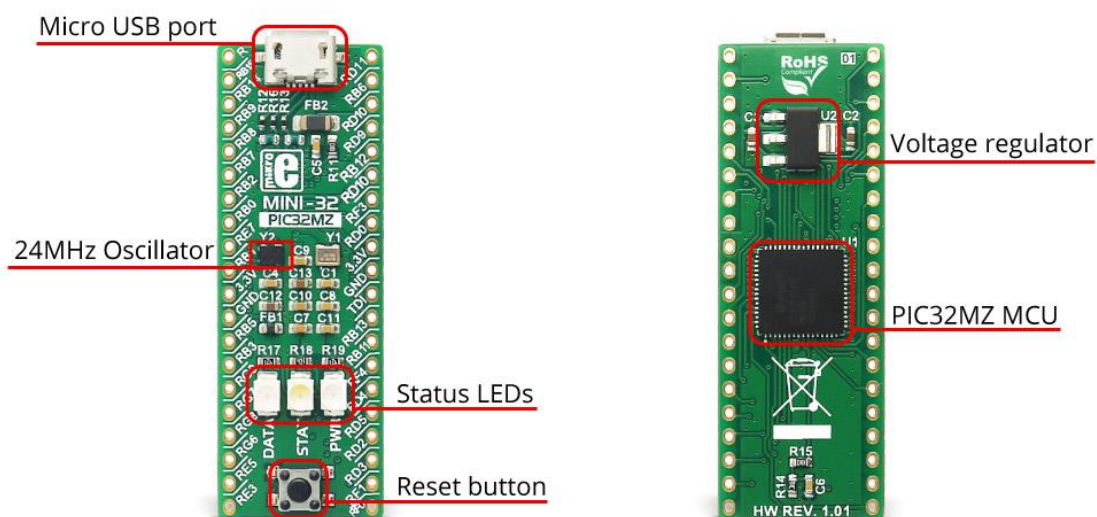
Comes preprogrammed with USB HID Bootloader

Powered directly from the USB cable

Can be used as a standalone device or as an MCU card in DIP40 socket

What's on board

All these features make the MINI-M3 for PIC32MZ a small and efficient development system:



USB HID bootloader

MINI-32 for PIC32MZ is pre-programmed with USB HID Bootloader so it is not necessary to have an external programmer.

#### Microcontroller features

This 32-bit (1 MB Live-Update Flash and 512 KB SRAM) microcontroller with FPU is rich with on-chip peripherals.

The PIC32MZ EF family features high core performance up to 200 MHz, an integrated Floating-Point Unit (FPU), a wide selection of peripherals and excellent connectivity options including Controller Area Network (CAN).

#### Onboard oscillators

The board is equipped with a 24MHz crystal oscillator and 32.768kHz crystal which can be used for internal RTCC module.

<b>Architecture</b>	PIC32 (32-bit)
<b>MCU</b>	PIC32MZ
<b>MCU Memory</b>	1 MB Live-Update Flash and 512 KB SRAM
<b>On-board modules</b>	3 x LEDs, 1 x Reset Button, USB connector
<b>Key Benefits</b>	Comes preprogrammed with USB HID Bootloader
<b>Input Voltage</b>	5V (via USB) or 3.3V (via external source)