

NiftyDrum

Official Documentation

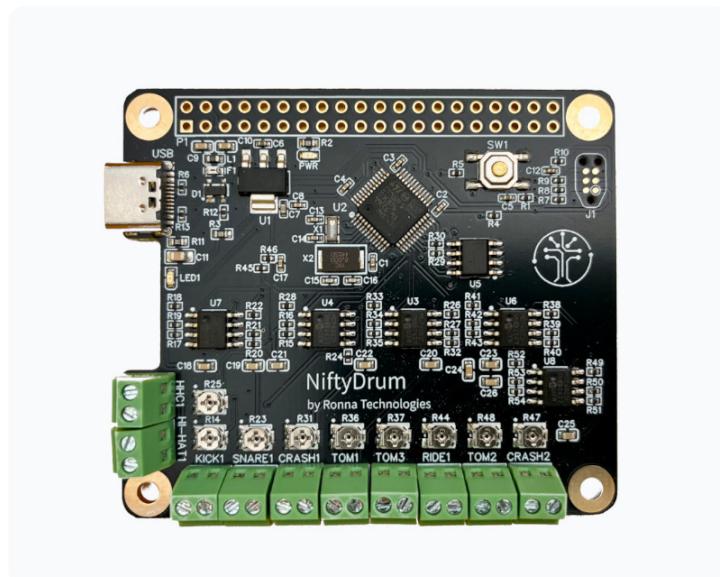
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1. NiftyDrum Specifications



1.1 Description

NiftyDrum is a trigger to MIDI module. What that means is that you can plug up to 9 piezos and 1 FSR into the 10 dedicated terminal blocks, and get MIDI messages over a USB-C connection.

1.2 How it works

- Connect up to 9 piezos and 1 FSR to the terminal blocks
- Plug into your DAW or drum module via USB
- Use our GUI for trigger parameters, mapping and velocity shaping
- Play – notes stream out instantly with zero perceivable latency

1.3 Specifications

1.3.1 Hardware

- 9 Piezo inputs
- 1 FSR input (hi-hat pedal)
- Sensor connector type: terminal block
- USB type C
- Dimensions: 65x56.5mm

1.3.2 Performance

- Latency: <2.5ms
- Sample rate: >10kHz
- Velocity sensitivity: 127 levels

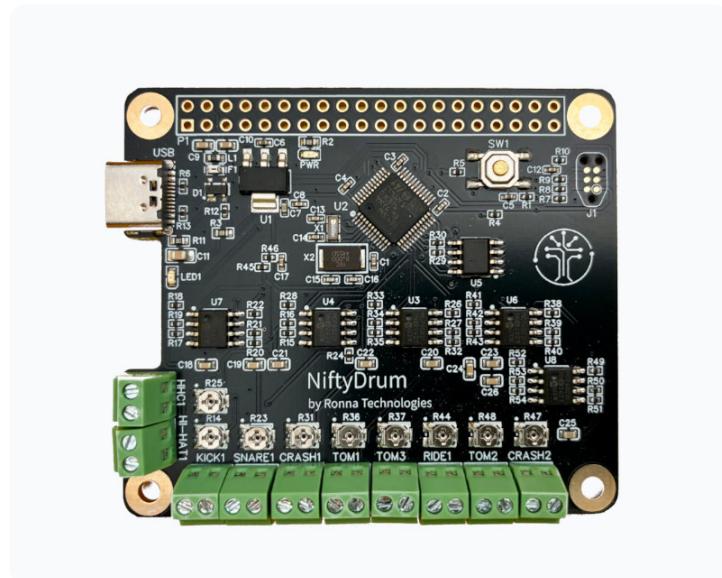
1.3.3 Software

- Cross platform: Windows, Mac, Linux
- User interface: Web-based
- Firmware updates via USB
- MIDI messages: notes, CC

2. The Board

2.1 Description

The NiftyDrum board is shown by the following image:



This board has different interfaces:

- Terminal blocks to connect sensors
- USB type C to connect to a laptop or PC
- 9 potentiometers
- Two LEDs
- A reset button
- A Raspberry Pi-compatible GPIO
- 4 mounting holes

2.2 How to connect the sensors

The board offers 9 piezo inputs, to which 9 single-zone pads can be connected.

3. The App
