- **Analog INs & OUTs**

Let the EuroHiker mdule drive your analog EuroRack modules. Transmit/Receive Control Voltage & Gate signals

Example of a EuroRack Enclosure

- **MIDI Interface**

The built in MIDI Interface (Musical Instrument Digital Interface) lets you interact with nearly any electronic instrument on the market (early 1980s onwards). Be the orchestrator of creativity, elevating your instruments to virtuosity

- **Power**

Toggle the module"s power independently from the enclosure"s main power supply

- **Microphone**

Capture your voice and turn it into digital wizardry

- **Light Sensor**

The integrated Light Sensor finds the perfect light for fun and excitement!

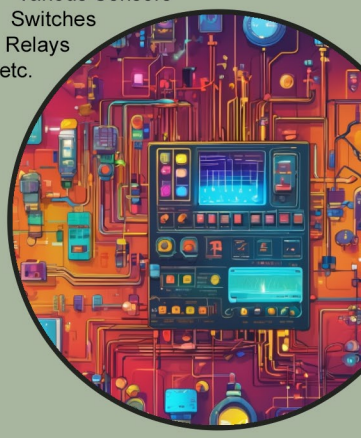
Design your own STEM/STEAM projects that interact with the EuroHiker Module

- **Expansion Interface**

- **Electronics Projects**

Don't have any EuroRack gear? No problem! - The EuroHiker's analog ports can directly interact with passive- & low-powered electronic components, such as

LEDs
Various Sensors
Switches
Relays
etc.



- **Rotary Encoder**

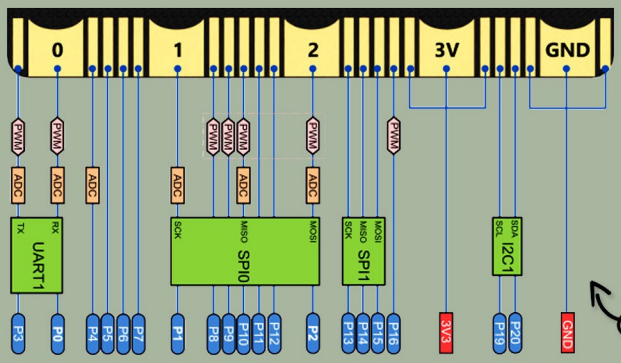
Red, Green & Blue LEDs built in, as well as a push-button. 24 Pulses per Rotation.

- **Push Button (x2)**

Switch Momentary.

H 128mm (3U)
W 101mm (20HP)
D 40mm

- The EuroHiker module passes on unused I/O to the Expansion Interface. I/O utilised by the module can be routed to the interface.



I/O Digital IN/OUT, Analog IN(ADC)/OUT(PWM)

UniHiker by DFROBOT
DRIVE THE FUTURE
www.unihiker.com

- The core of the EuroHiker module is the UniHiker compact and feature-rich single-board computer (SBC)

2.8" 320x240 (colour) touchscreen
Easy setup via Type-C cable and programming through a browser
Direct control of hundreds of sensors and actuators using Python
Wi-Fi and Bluetooth for wireless connectivity
USB Port
MicroSD Card Slot
Supports Jupyter notebook, VS Code, VIM, Mind+
Onboard Microphone, Light Sensor, Buzzer, Accelerometer & Gyroscope

STEAM Modular

github.com/ErikOostveen/EuroHiker

EuroHiker

www.erikoostveen.co.uk
www.erikoostveen.co.uk/SteamModular.html