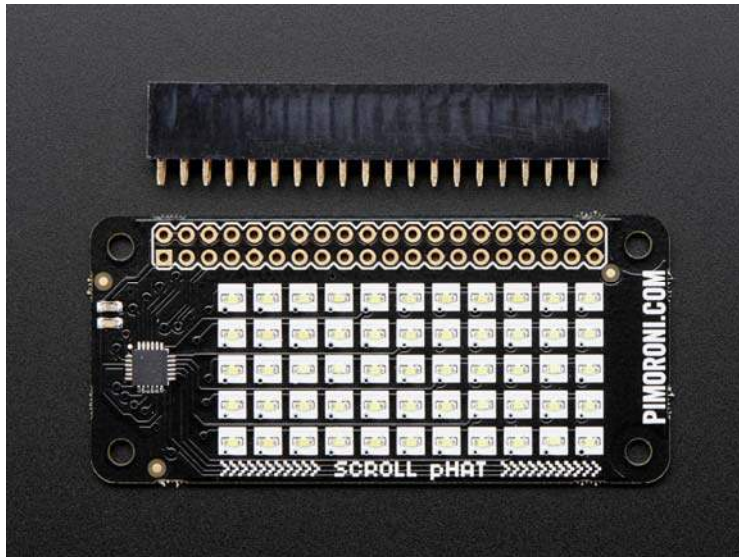# Pimoroni Scroll pHAT - 11x5 LED Matrix for Raspberry Pi Zero

PRODUCT ID: 3017

• Description

Let your Pi talk back with this slick little **11x5 LED matrix Scroll pHAT**! The Scroll pHAT provides a matrix of **55 white LED** pixels that is ideal for writing messages, showing graphs, and drawing pictures. Use it to output your IP address, show CPU usage, or just play very-low-rez pong!

Though designed to match the format of the Raspberry Pi Zero it is compatible with all 40-pin GPIO Raspberry Pi variants (2/B+/A+).

Features:

- o 55 white LEDs
- o Brightness control
- o Python API
- o pHAT format board
- o Communicates with the Pi over I2C interface

Kit includes: Assembled Scroll pHAT PCB & 2x20 0.1" female GPIO header, some light soldering is required to attach the header on, or you can of course solder the pHAT right onto the Pi Zero

At the heart of Scroll pHAT is ISSI's IS31FL3730 matrix LED driver chip. It can drive multiple LED matrix and segment display formats and also supports controllable display brightness. You can find the Python library on Github.

- # Technical Details

    o IS31FL3730 Datasheet http://www.issi.com/WW/pdf/31FL3730.pdf
    o 65mm x 30mm x 2.2mm / 2.56" x 1.18" x 0.09"
    o Weight (assembled): 10.7g

For product support, replacement parts and warranty for Pimoroni products visit the Pimoroni forum or contact Pimoroni directly.