Pimoroni Unicorn HAT

DEV-14037

Description: The Pimoroni Unicorn HAT is a "shield" for the Raspberry Pi that sports a matrix of 64 (8x8) addressable RGB LEDs that are powered directly from the Pi. The Unicorn HAT provides a wash of controllable color that is ideal for mood lighting, 8x8 pixel art, persistence of vision effects, status indications, or just blasting color into your surroundings.

Each Pimoroni Unicorn Hat easily snaps on top of a Raspberry Pi equipped with a 40-pin (2x20) GPIO. Pimoroni has created a GitHub repository bundling the Unicorn Hat software with a set of examples to get you started in an easy-to-use Python module, so all you have to worry about is setting the color you want each pixel to be.

Features:

  64 RGB LEDs (WS2812B)
  Python API
  Compatible with Raspberry Pi 3, 2, B+, and A+
  EEPROM with Raspberry Pi HAT configuration details
  LED data driven via DMA over PWM