

# 32x Isolated LED Phidget



Light up your world with this 32-output dimmable LED controller. Precise control of your LEDs has never been easier, and it only takes one VINT port on your hub. The LED1000 connects to a port on a **VINT Hub**. See the “Compatible Products” tab for a list of hubs.

## **Individual LED Control**

You can control the power supplied to your LEDs in three ways: First, choose a forward voltage for the entire controller to operate at. Of the four settings, choose the value closest to the rated forward voltage of your LEDs. Next, set a current limit to determine the maximum brightness of each channel. Lastly, you can set the duty cycle (brightness) of each channel from 0% (off) to 100% (maximum brightness) on the fly.

## Externally Powered

This module requires an external power supply to power the LEDs. The VINT port is completely isolated from the power supply in order to increase system stability by eliminating ground loops.

## Product Specifications

### Board Properties

Controlled By	VINT
Number of LED Outputs	32

### Electrical Properties

Current Consumption Min	5 mA
Supply Voltage Min	8 V DC
Supply Voltage Max	30 V DC
Current Consumption Max	2 A
LED Current Limit Max	(per channel) 40 mA
Forward Voltage Max	5.6 V DC
Forward Voltage Min	3.2 V DC
LED Driver Update Rate	90 Hz
Selectable Output Voltage Levels	3.2, 4.0, 4.8, 5.6 VDC

### Physical Properties

Operating Temperature Min	-40 °C
Operating Temperature Max	85 °C
Power Jack	5.5×2.1mm, Center Positive

