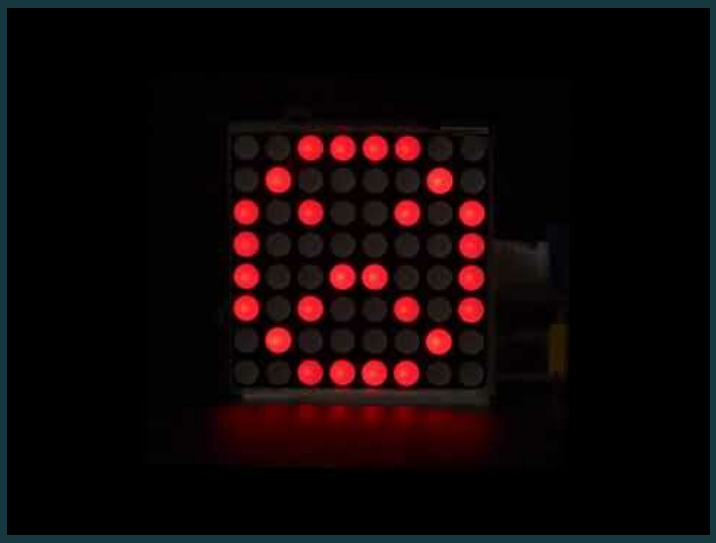
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INDUSTRIAL PRODUCT DATASHEET

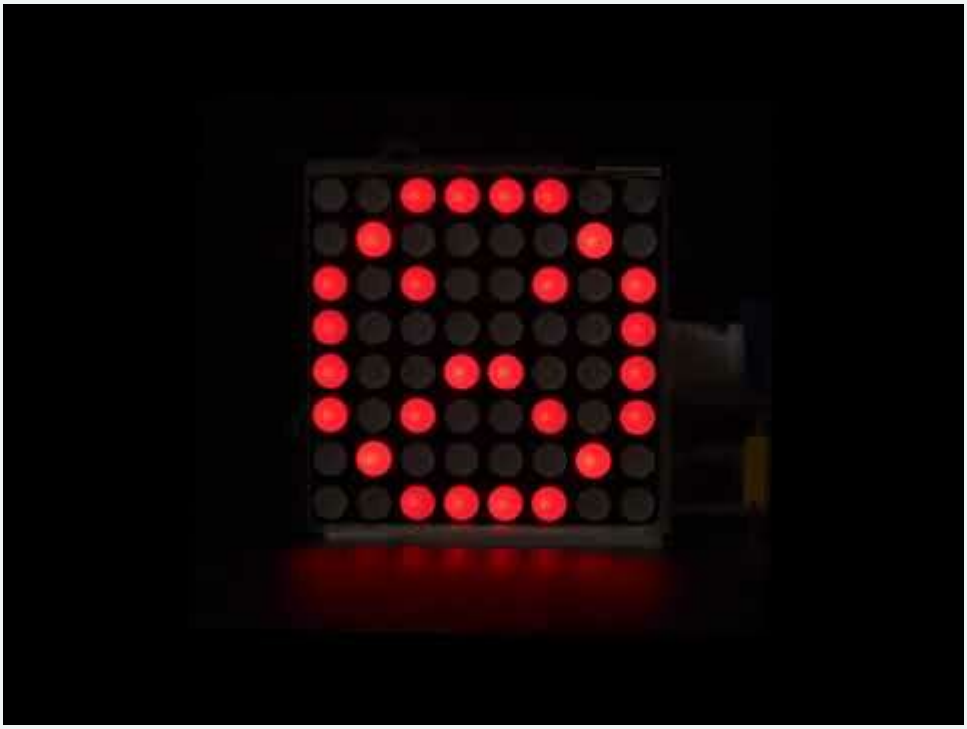
Grove - LED Matrix Driver (HT16K33)

The Grove - LED Matrix Driver (HT16K33) is an I2C-bus LED matrix driver supporting Max. 8 x 8 patterns for digital clocks, thermometers, counters, multimeters, industrial control indicators, instrumentation readouts, combo set...

SKU	UPDATED	PRICE
105020074	2026-11-03 03:40:07	$8.95(Excl. VAT)



Overview



The Grove - LED Matrix Driver (HT16K33) features an integrated RC oscillator, R/W address auto increment, Max. 8 x 8 patterns, and an I2C-bus interface. It is suitable for industrial control indicators, digital clocks, thermometers, counters, multimeters, combo sets, VCR sets, instrumentation readouts, other consumer applications, and LED Displays.

Key Features

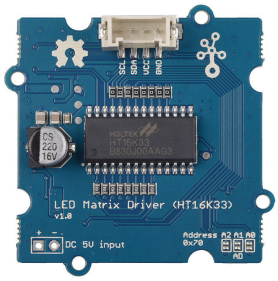
01 Integrated RC oscillator

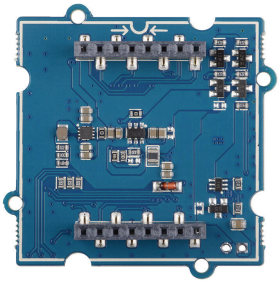
02 R/W address auto increment

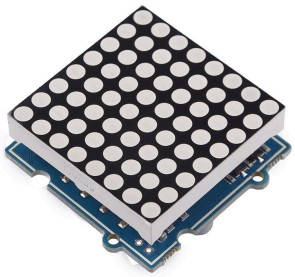
03 Max. 8 x 8 patterns

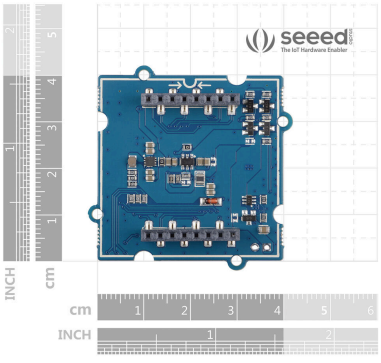
04 I2C-bus interface

Product Gallery

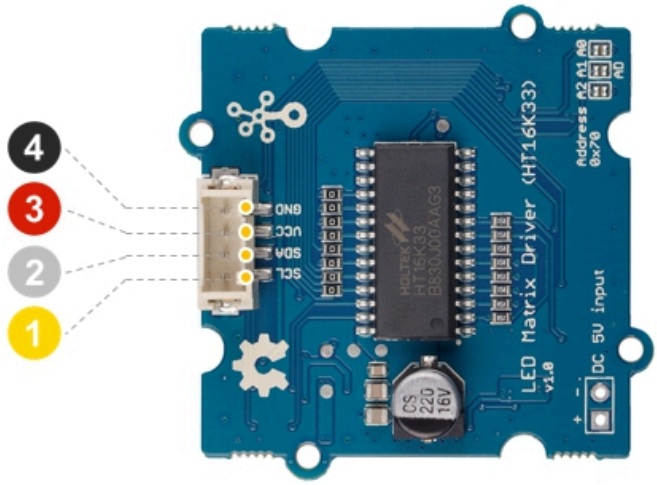




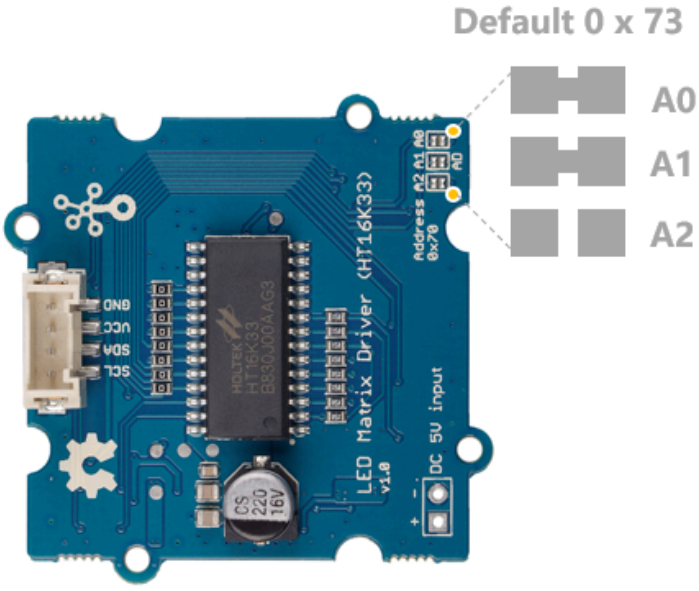




Hardware Overview



4 GND: connect this module to the system GND
3 VCC: you can use 5V or 3.3V for this module
2 SDA: I²C serial data
1 SCL: I²C serial clock



Applications

- Industrial control indicators
- Digital clocks, thermometers, counters, multimeters
- Combo sets
- VCR sets
- Instrumentation readouts
- Other consumer applications
- LED Displays

Resource Links

- https://www.seeedstudio.com/Grove-LED-Matrix-Driver-HT16K33.html
- User manual
- Snips AI Quick Start

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com