

seeed studio

INDUSTRIAL PRODUCT DATASHEET

# 6x10 RGB WS2812 Matrix for Seeed Studio XIAO

6x10 RGB WS2812 Matrix expansion board for Seeed Studio XIAO with 60 integrated LEDs, compact form factor, and daisy-chaining support for vibrant lighting projects.

SKU

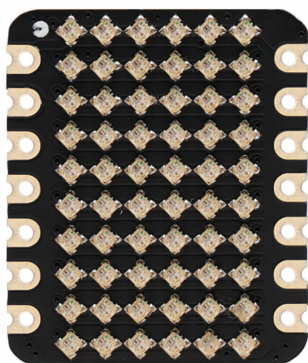
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UPDATED

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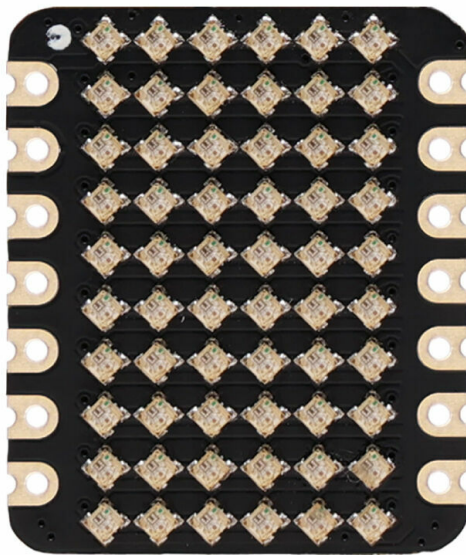
PRICE

\$4.99(Excl. VAT)



# Overview

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The 6x10 RGB WS2812 Matrix for Seeed Studio XIAO series provides a total of 60 WS2812B LEDs in a thumb-sized compact design (21 x 17.5mm), supporting multiple splice extensions with an additional power supply. It is compatible with all Seeed Studio XIAO series boards and QT Py for Adafruit, suitable for applications such as LED appearance, scene lighting, and wearable devices.

# Key Features

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**Note:**

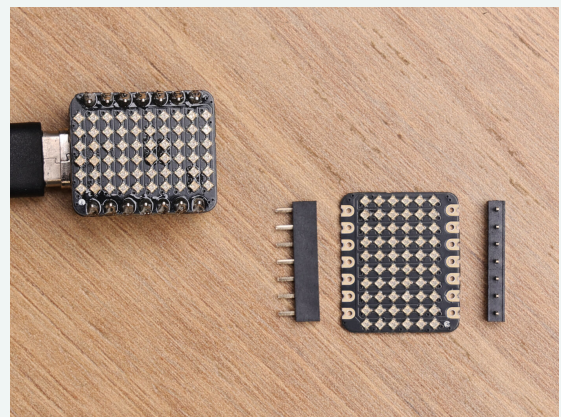
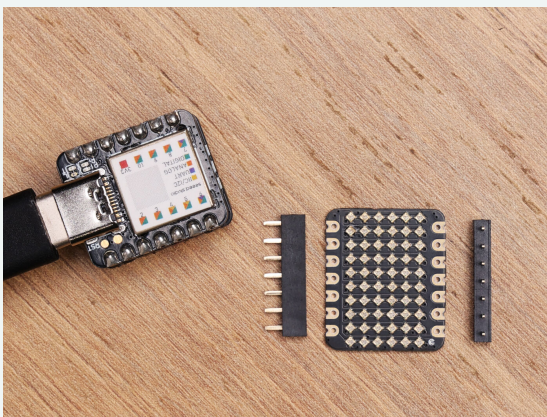
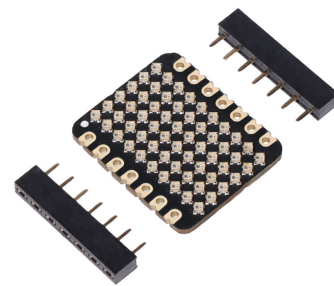
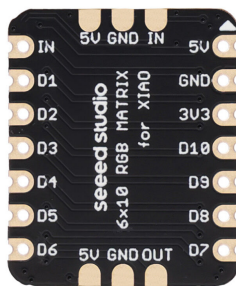
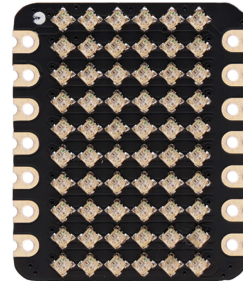
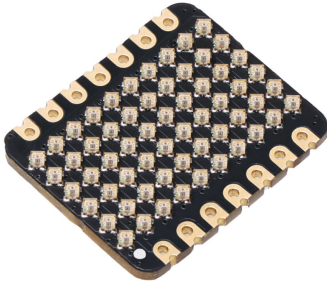
This expansion board is currently not directly compatible with the XIAO nRF54L15 series because Arduino is not supported.

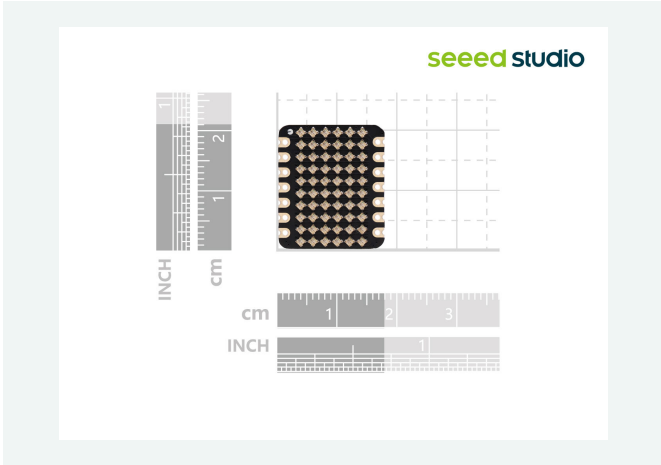
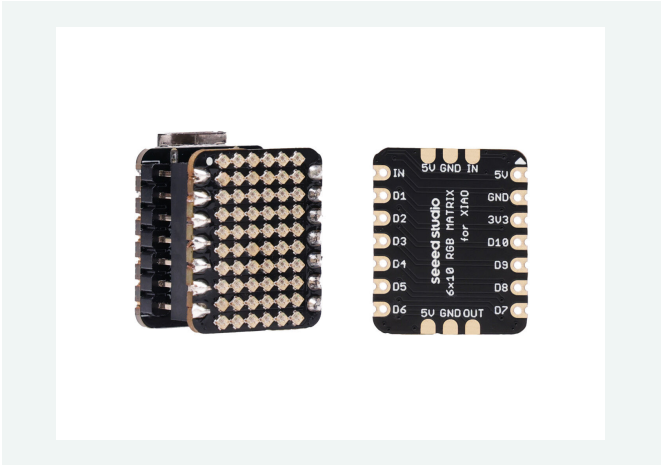
However, the hardware interface is fully compatible, and developers can manually adapt the software if needed.

Official software support from Seeed Studio is under development — stay tuned for updates!

- **Matrix 6x10 RGB extension board for Seeed Studio XIAO series:** Offer total of 60 WS2812B LEDs, providing a vibrant and diverse range of colors to illuminate your projects
- **Support multiple splice extensions:** Support splice multiple light boards in sequence with an additional power supply
- **Thumb-sized Compact Design:** 21 x 17.5mm, adopting the classic form factor of XIAO, suitable for space-limited projects like wearable devices
- **WS2812B LEDs:** The control circuit and RGB chip are integrated into a package of 1010 components, forming a complete control of pixel point
- Compatible with **QT Py** for adafruit and all Seeed Studio **XIAO series** boards

# Product Gallery





Specification

|                 |                     |
|-----------------|---------------------|
| LED Type        | XL-1010RGB-WS2812B  |
| Number of LEDs  | 60                  |
| Arrangement     | 6 rows x 10 columns |
| LED Size        | 1mm x 1mm           |
| Connection Port | Digital             |
| Additional Pads | VCC, GND, DIN, DOUT |

Applications

- LED appearance, scene lighting
- LED point light source, LED pixel screen
- All kinds of electronic products and electrical equipment marquee
- Wearable devices
- Mobile equipment

Part List

|                          |    |
|--------------------------|----|
| 6x10 RGB Matrix for XIAO | x1 |
| 7-pin female header      | x2 |

## Compliance & Logistics



|          |            |
|----------|------------|
| HSCODE   | 8531200000 |
| USHSCODE | 8531200020 |
| UPC      |            |
| EUHSCODE | 8531202090 |
| COO      | CHINA      |

## Resource Links

- <https://www.seeedstudio.com/6x10-RGB-MATRIX-for-XIAO-p-5771.html>
- [LED Datasheet](#)

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