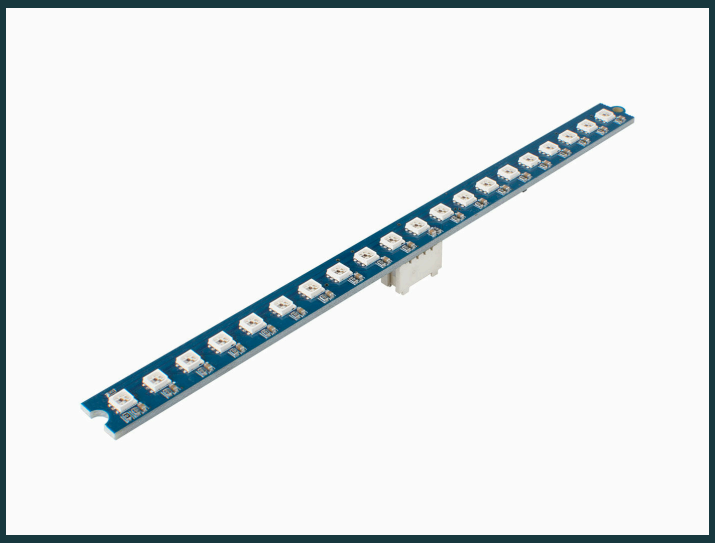
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INDUSTRIAL PRODUCT DATASHEET

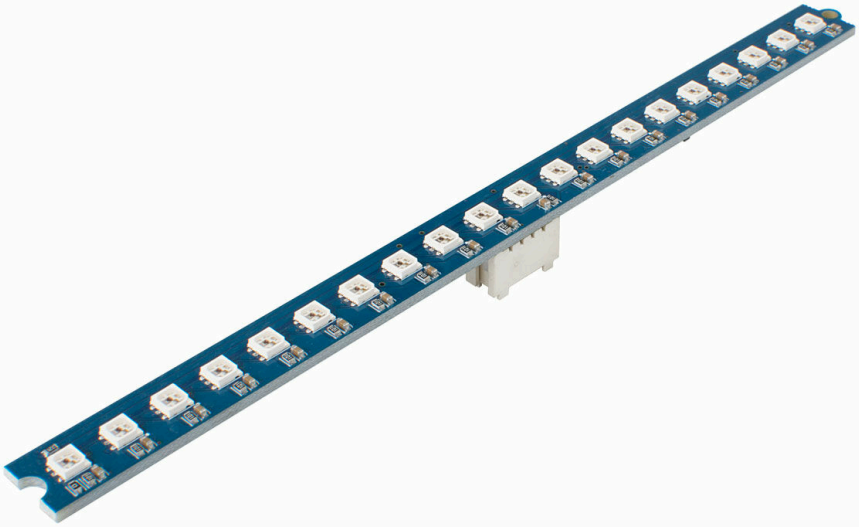
Grove - RGB LED Stick (20-WS2813 Mini)

A 15-LED full-color WS2813B stick with breakpoint resume and Grove compatibility, ideal for guardrail tubes, stage costumes, and innovative electronic projects.

SKU	UPDATED	PRICE
104020170	2026-04-24 02:05:03	$8.70(Excl. VAT)



Overview

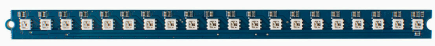


The Grove - RGB LED Stick (20-WS2813 Mini) integrates 15 WS2813B LEDs providing 16.7 million colors with individual control. It features breakpoint resume, high-speed data transmission up to 800Kbps over 5m, and Grove compatibility for easy connection to Seeeduino or Arduino.

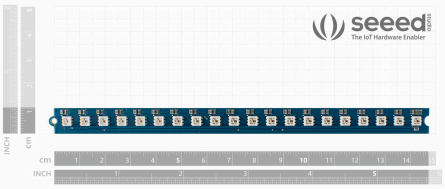
Key Features

- **Full color RGB:** Each pixel gray levels are 256, which achieves 16777216 full-color display, 15 LEDs beads operate independently and the refresh frequency reaches to 2KHz
- **Multi-Components combination:** WS2813B LED with 5050 components to display different lighting effects
- **Breakpoint Resume:** In the transmission of dual-signal wires, when a LED or LED group fails, it will not cause the other LED not to light up.
- **High transmission performance:** Any two-point distance of more than 5M transmission signal without any increase in circuit and Data transmitting at speeds of up to 800Kbps.
- **Grove Compatible:** you can just plug your LED stick into Seeedunio or Arduino+BaseShild via Grove Cable, with no soldering and complicated wiring

Product Gallery







Specification

Operating Voltage	3.3V / 5V
Operating Temperature	-25℃ ~ +85℃
Storage Temperature	-40℃ ~ +105℃
RGB Channel Constant Current	16mA
Interface	Digital
Size	L: 147mm W: 10mm H: 10mm
Weight	3.7g
Gross Weight	13g

Applications

- **Guardrail tube, point light, flexible/rigid strips, module applications**
- **Lighting stage costumes, innovative gadgets or any other electronic products.**

Part List

Grove - RGB LED Stick (20 - WS2813 Mini)	1
Grove Cable	1

Compliance & Logistics



HSCODE	9405409000
USHSCODE	8541410000
UPC	841454122685
EUHSCODE	8531202090
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-RGB-LED-Stick-20-WS2813-Mini-p-4271.html
- Grove - RGB LED Stick (20-WS2813 Mini) schematic file

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