

INDUSTRIAL PRODUCT DATASHEET

XIAO 1.14" IPS Display(nRF52840)

XIAO 1.14" IPS Display (nRF52840): a compact BLE sensor and UI platform with display, buttons, microphone, 6-axis IMU, and Grove I2C for portable and motion-aware projects.

SKU	UPDATED	PRICE
100069374	2026-09-21 03:03:58	\$16.90(Excl. VAT)



Overview



The XIAO 1.14" IPS Display (nRF52840) combines a 1.14-inch 135 × 240 IPS TFT display, three user buttons, PDM microphone, 6-axis IMU, and Grove I2C interface around the XIAO nRF52840 Plus for Bluetooth Low Energy and battery-powered projects. It is suited for portable sensor display, Grove environmental monitoring, BLE remote control, motion-based interaction, wearable notifier, and desktop gadget applications.

Key Features

- **Compact Smart Device Platform with Built-In Sensors**

When building a portable sensor device, you normally need a display, input controls, motion sensing, audio input, battery support, and wireless connectivity. This board brings these functions together around XIAO nRF52840 Plus, allowing you to focus on the interface, sensor data, and device behavior instead of assembling separate modules and wires.

- **Clear 1.14-Inch Display for Status and Simple UI**

The 1.14-inch 135 × 240 IPS TFT display provides enough space for status pages, sensor readings, icons, menus, and lightweight animations. Together with three physical buttons, it allows you to build compact interfaces that remain easy and reliable to operate without requiring a touch screen.

- **Voice, Motion, Buttons, and Grove I2C in One Board**

The onboard PDM microphone can be used for sound detection, volume monitoring, or audio capture. The 6-axis IMU detects orientation, shaking, flipping, and motion, while three user buttons provide direct physical control. A Grove I2C interface makes it easy to add environmental, distance, light, and other compatible sensors without complex wiring.

- **Built for BLE and Battery-Powered Projects**

Powered by XIAO nRF52840 Plus, this version is designed for Bluetooth Low Energy and portable projects. It can connect to phones, computers, and gateways, making it suitable for wearable notifiers, BLE remote controls, portable sensor terminals, desktop devices, and motion-aware products that do not require Wi-Fi.

Product Gallery

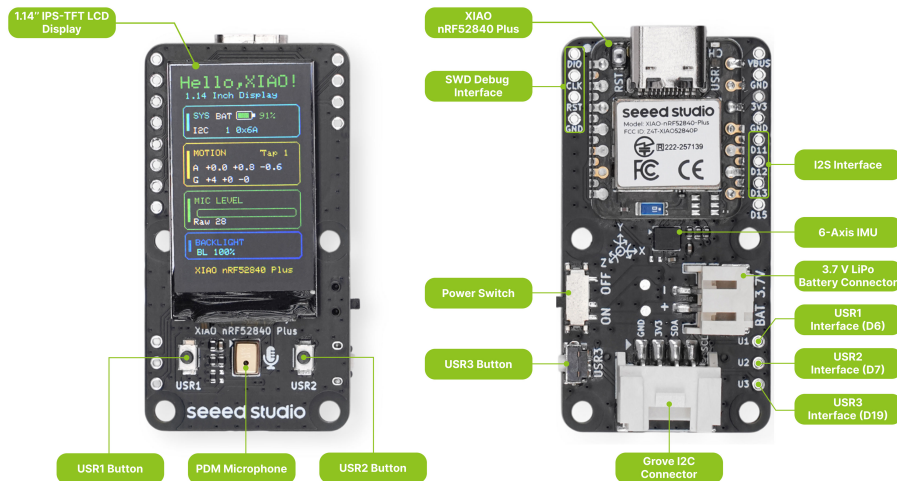


Specification

Specification	XIAO 1.47" IPS Touch Display(nRF52840)	XIAO 1.14" IPS Display(nRF52840)	XIAO 0.96" IPS Display(nRF52840)
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Product Positioning	Touch & Full Interaction	Sensing & Expansion	Ultra-Compact
Core Controller	Seeed Studio XIAO nRF52840 Plus		
Processor	Nordic nRF52840, ARM® Cortex®-M4 32-bit processor with FPU, 64 MHz		
Memory	256 KB RAM + 1 MB internal Flash + 2 MB onboard Flash		
Wireless Connectivity	BLE 5.4		
Display Type	1.47" IPS TFT LCD	1.14" IPS TFT LCD	0.96" IPS TFT LCD
Resolution	172 × 320	135 × 240	80 × 160
Display Driver	JD9853A	ST7789	ST7789
Display Interface	SPI		
Touch Input	Capacitive Touch	No	No
6-Axis IMU	Yes		
PDM Digital Microphone	Yes		
MicroSD Card Slot	Yes	No	No
Grove I2C Connector	No	Yes	No
User Buttons	2	3	2
Battery Connector	2-pin JST 2.0 Connector for 3.7 V LiPo		
Battery Monitoring	Battery status detection supported; battery voltage can also be monitored for battery-level estimation.		
Expansion Interfaces	1x I2C Interface 1x I2S Interface 1x SWD Interface 2x User Button Interface	1x I2C Interface 1x I2S Interface 1x SWD Interface 3x User Button Interface	1x I2C Interface 1x I2S Interface 1x SWD Interface 2x User Button Interface
Board Size	26.4 × 51.4 × 12.6 mm	26 × 48 × 10.6 mm	18.8 × 43.6 × 10.6 mm
Best For	Touch UI, portable HMI, local media and data logging	Portable sensor displays, Grove devices, physical controllers	Smart badges, tiny wearables, BLE status displays

Hardware Overview



Applications

- Portable Sensor Display
- Grove Environmental Monitor
- BLE Remote Controller
- Motion-Based Interaction Device
- Wearable Notifier
- Desktop Gadget and Digital Pet

Part List

1.14 Inch Display Powered by XIAO nRF52840 Plus

×1

Compliance & Logistics

HSCODE	8543709990
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/1-14-Inch-Display-Powered-by-XIAO-nRF52840-Plus-p-6994.html>
- [Wiki-XIAO 1.14" IPS Display\(nRF52840\) Resources](#)
- [3D-Printed Enclosure for XIAO 1.14" Display — Designed by Gokul](#)

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