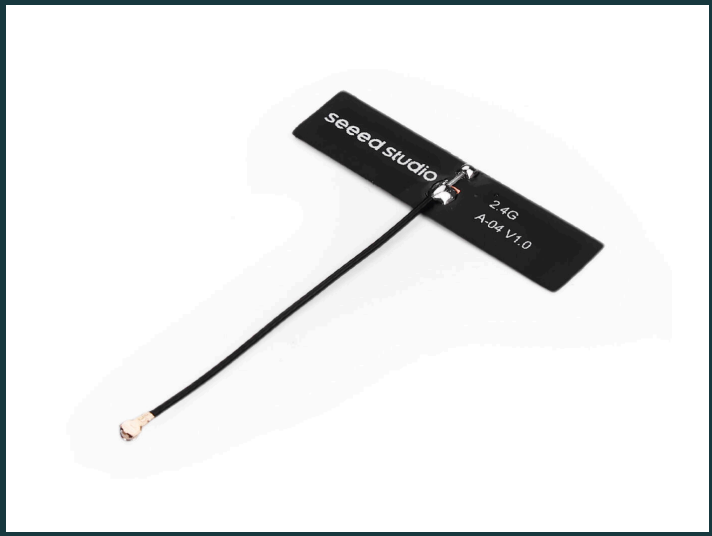
seeed studio

INDUSTRIAL PRODUCT DATASHEET

2.4GHz FPC Antenna A-04 for XIAO nRF54L15

It's a 2.4 GHz, 1.86 dBi flexible FPC antenna purpose-built for Seeed Studio XIAO nRF54L15, featuring an IPEX 4connector.

SKU	UPDATED	PRICE
100039813	2026-11-11 06:38:08	$0.90(Excl. VAT)



Overview



It's a 2.4 GHz, 1.86 dBi flexible FPC antenna purpose-built for Seeed Studio XIAO nRF54L15, featuring an IPEX 4connector. Using this external antenna improves BLE link stability and extends range, in a slim form factor with Ø0.81 × 50 mm coax.

Key Features

01 **Mini Antenna for Tiny Seeed Studio XIAO nRF54L15：Attach everything you need to enhance the tiny MCU board's 2.4 GHz wireless capability. In real-world testing, XIAO nRF54L15 with this external antenna achieved communication distances up to 180 meters in open outdoor environments.**

02 **Suitable for Bluetooth LE 6.0 Channel Sounding：The external FPC antenna improves link budget and radiation quality on XIAO nRF54L15, enhancing stability and precision for distance/ranging.**

03 **Boosted Bluetooth stability：Matched to 50 Ω with VSWR ≤ 2.0 across 2400–2500 MHz, ensuring stable, low-loss BLE connectivity with XIAO nRF54L15.**

04 **High efficiency & reliable range：Delivers up to 1.86 dBi peak gain (at 2430 MHz) and 67.6% max efficiency (at 2450 MHz) for stronger 2.4 GHz coverage and extended range.**

05 **Slim, flexible integration：Flexible FPC antenna with Ø0.81 × 50 mm coax (IPEX 4), plus 3M adhesive for quick mounting on non-conductive surfaces—ideal for tight spaces.**

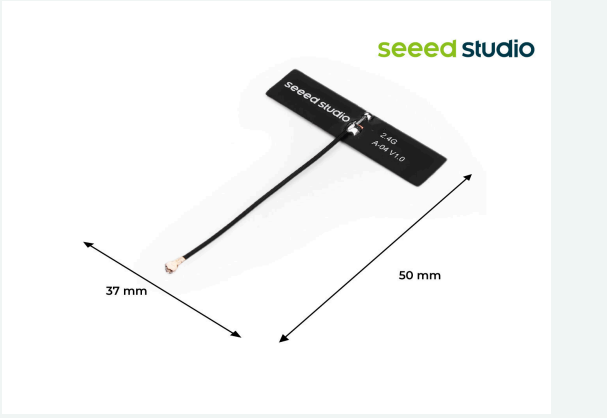
Product Gallery



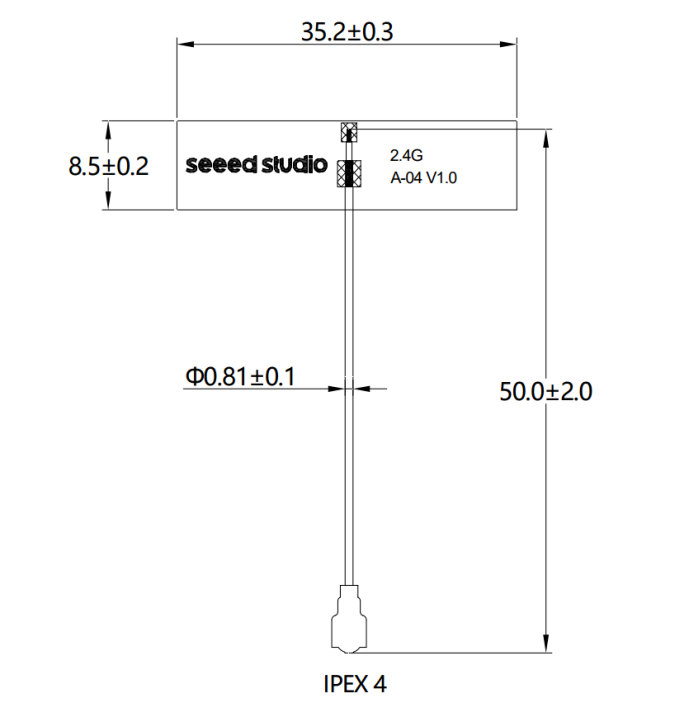








Hardware Overview



Applications

- **Industrial Sensor Networks**
- **Agricultural Telemetry Systems**
- **Drone Swarm Relays**
- **Embedded IoT Gateways**

Resource Links

- https://www.seeedstudio.com/2-4GHz-FPC-Antenna-1-86dBi-for-XIAO-nRF54L15-p-6578.html
- Datesheet

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