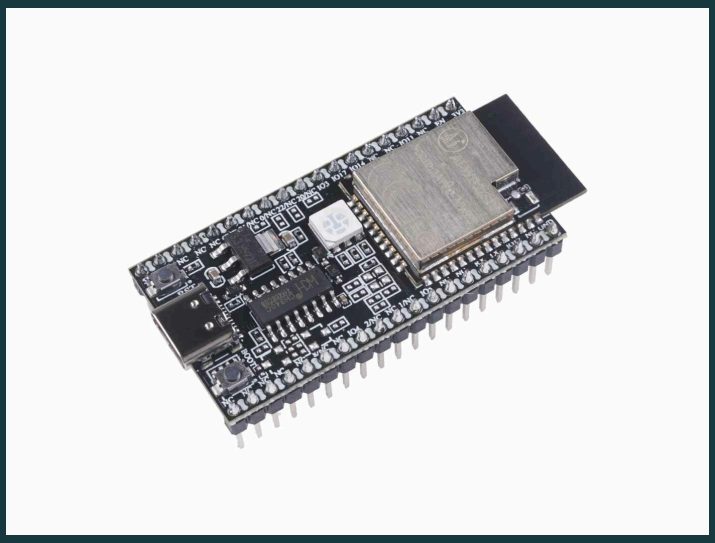
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INDUSTRIAL PRODUCT DATASHEET

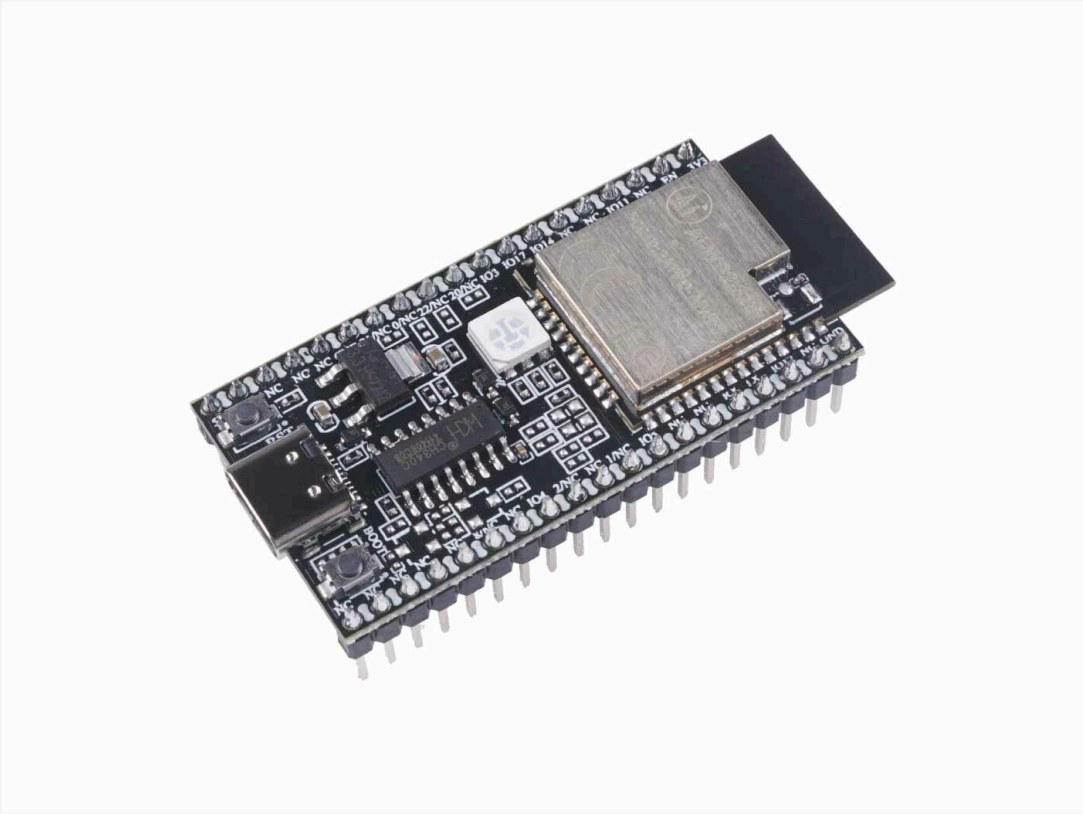
Ai-WB2-32S-Kit, BL602 based Wi-Fi&BLE module, ideal for IoT projects

Ai-WB2-32S-Kit is a development board based on the Ai-WB2-32S module.

SKU	UPDATED	PRICE
102991715	2026-11-11 09:55:26	$3.50(Excl. VAT)



Overview



Ai-WB2-32S-Kit is a development board based on the Ai-WB2-32S module. This module is equipped with a BL602 chip as the core processor and supports Wi-Fi&BT. It can be widely used in the Internet of Things(IoT), mobile devices, wearable electronic devices, smart homes, and other fields.

Key Features

01 **Outstanding RF performance**

Powerful BL602 chip and onboard PCB antenna support Wi-Fi 802.11b/g/n protocol and BLE 5.0 protocol

02 **Coexistence of multiple working modes**

Support Station+BLE and Station+SoftAP+BLE working modes

03 **Low power consumption**

Lowest as 12uA(deep sleep mode), with multiple sleeping modes available

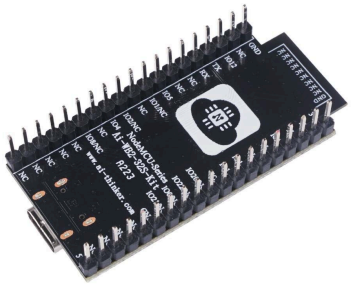
04 **Ready for productization**

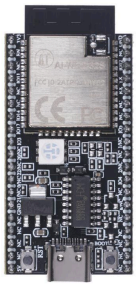
universal AT instruction can be quickly compatible with other modules.

05 **User-friendly development environment**

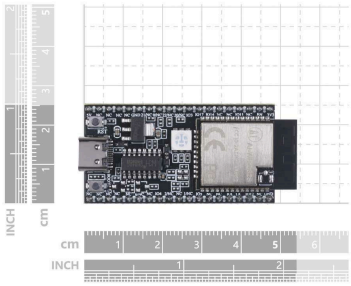
Supports secondary development and integrates Windows and Linux development environment

Product Gallery









Applications

- **Combo-AT Debugger (highly recommended): click here:** AT firmware tutorial, connect to router, as TCP client, establish single connection and realize transparent transmission: click here
- **Ai-WB2 module's TCP-based MQTT connection server usage example: click here**
- **Ai-WB2 module TLS-based MQTT connection server usage example: click here:** Ai-WB2 series module establishes an SPP connection to the mobile phone and transmits data in UART-Bluetooth LE trans transmission mode: click here
- **Ai-WB2 series module HTTP client HEAD and GET request method:click here**
- **Ai-WB2 series module HTTP client POST request method: click here**

Resource Links

- https://www.seeedstudio.com/Ai-WB2-32S-Kit-p-5452.html
- Ai-WB2-32s Datasheet
- Ai-WB2-32s schematic
- SDK source
- Linux build environment tutorial
- Windows - eclipse build environment tutorial
- Programming Guide
- Firmware Burning Guide

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