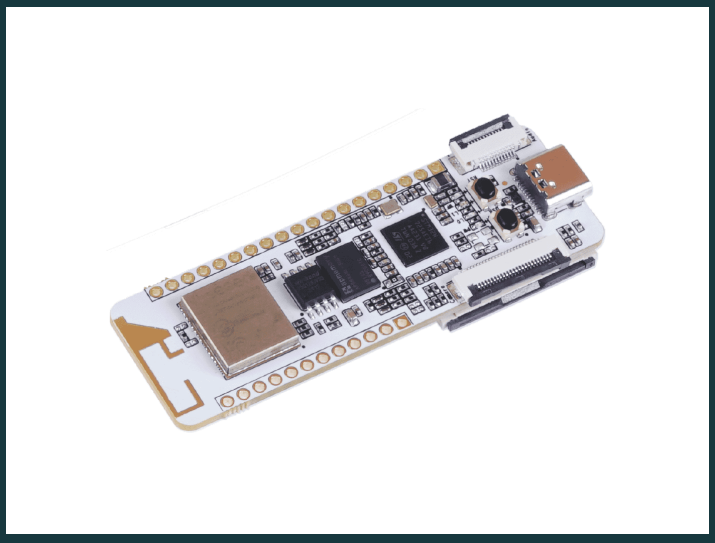
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INDUSTRIAL PRODUCT DATASHEET

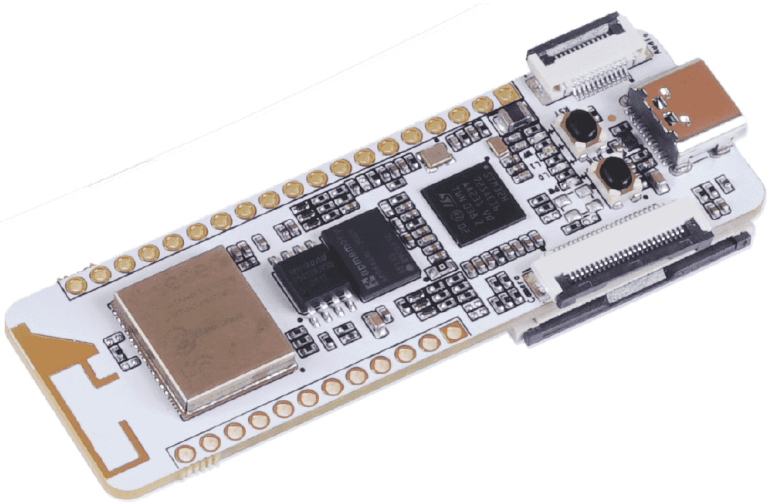
Wio Lite AI Single Board: Powerful AI vision development board based on the STM32H725AE chip

Powerful AI vision development board based on STM32H725AE with dual-band Wi-Fi, Bluetooth 5.1, camera/display interfaces, and quick-start vision support.

SKU	UPDATED	PRICE
102110607	2026-08-14 01:02:33	$33.00(Excl. VAT)



Overview

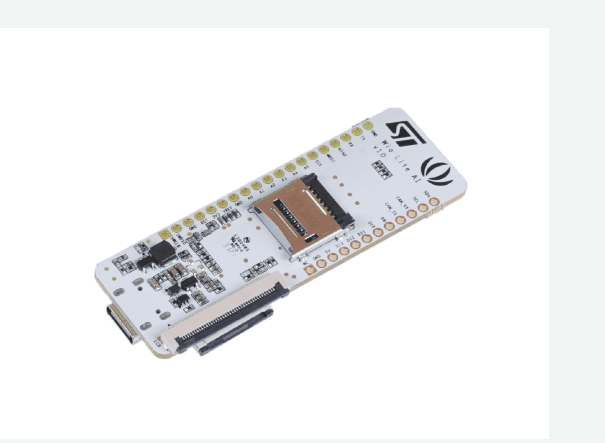


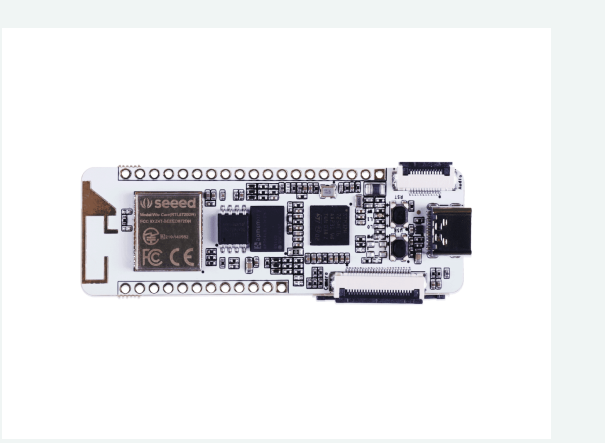
The Wio Lite AI Single Board is a powerful AI vision development board based on the STM32H725AE chip, featuring an Arm Cortex-M7 32-bit 550 MHz microprocessor, 16MB SPI NOR flash and 8MB PSRAM. It offers 40-Pin and 24-Pin FPC ports for LCD RGB565/RGB888 and DCMI camera, dual-band 2.4GHz / 5GHz Wi-Fi and Bluetooth 5.1, USB Type-C power, micro-SD slot, and supports applications such as data collection, IoT controllers, education, motor drive, alarm systems, video intercom, and HVAC.

Key Features

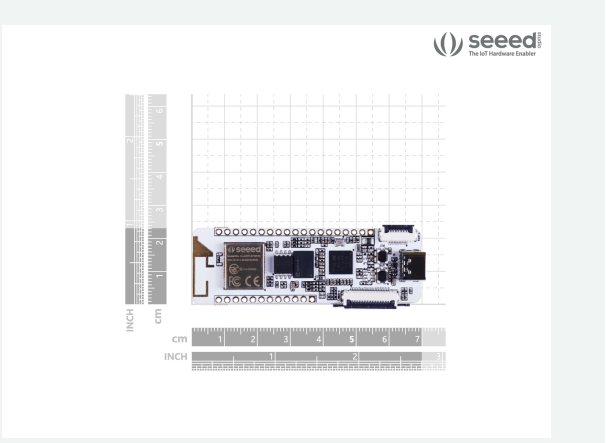
- Based on STM32H725AE Chip, an Arm® Cortex®-M7 32-bit 550 MHz high-performance microprocessor
- 16MB SPI NOR flash and 8MB PSRAM
- Include a 40-Pin FPC port for LCD RGB565 or RGB888 and a 24-Pin FPC port for a DCMI camera
- Wireless connectivity with dual-band 2.4GHz / 5GHz Wi-Fi and Bluetooth 5.1
- One USB Type-C for power supply and one micro-SD card slot for extra storage
- Provide software support for a quick start of vision projects

Product Gallery









Specification

Specification	Details
MCU	STM32H725AE Arm® Cortex®-M7 32-bit 550Mhz

Specification	Details
Memory	8MB APMemory PSRAM
Storage	16MB SPI Nor flash; Micro-SD card slot
Display	40 Pin FPC port for LCD RGB565 or RGB888
Camera	24 Pin FPC port for DCMI Camera（OV2640）
Audio	12 Pin FPC port for Audio
Wireless Connectivity	Dual-band 2.4GHz / 5GHz Wi-Fi Bluetooth
Power	5V/3A using USB Type-C port
Dimension	70.3mm*26mm
Weight	9g

Applications

- **Data Collection Device for Machine Learning**
- **Hand-held Device IoT Controller**
- **Education**
- **Motor drive and application control**
- **Alarm systems, video intercom, and HVAC**

Part List

Specification	Details
MCU	STM32H725AE Arm® Cortex®-M7 32-bit 550Mhz
Memory	8MB APMemory PSRAM
Storage	16MB SPI Nor flash; Micro-SD card slot
Display	40 Pin FPC port for LCD RGB565 or RGB888
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Compliance & Logistics



HSCODE	8517180050
USHSCODE	8517180050
UPC	
EUHSCODE	8543709099
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Wio-Lite-AI-Single-Board-p-5120.html
- SeeedBoard STLink ConnectionGuide
- Visual Inspection Training Courseware for Artificial Intelligence
- SeeedBoard STLink ConnectionGuide
- Visual Inspection Training Courseware for Artificial Intelligence

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