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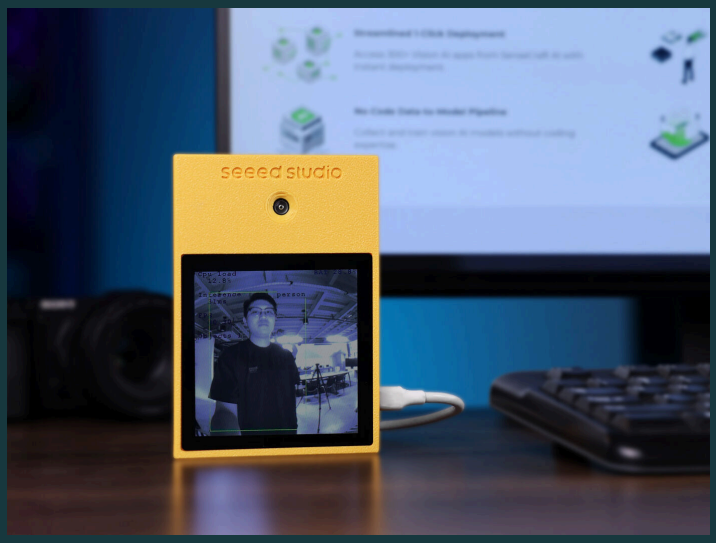
INDUSTRIAL PRODUCT DATASHEET

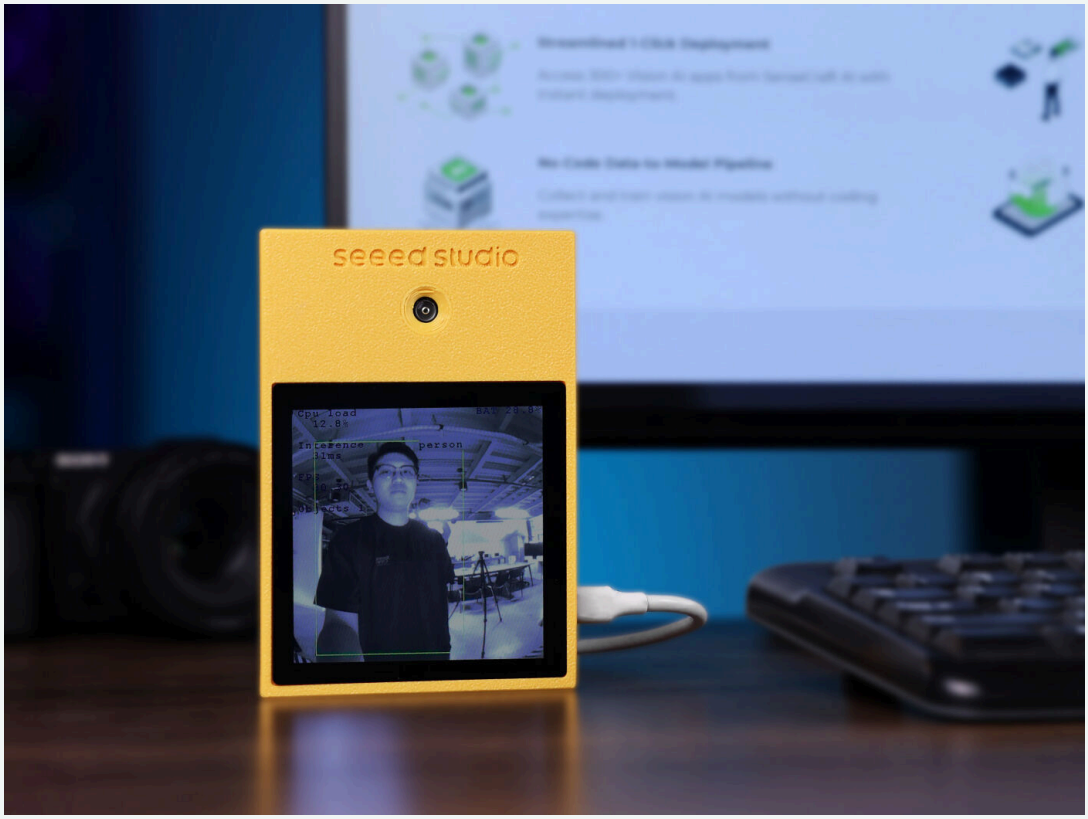
AI Assistant | STM32N6 AI Development Kit with Global Shutter Camera

[image] AI Assistant is anEdge AI development kit powered by the STMicroelectronics STM32N657 MCU.

SKU	UPDATED	PRICE
114993645	2026-11-11 06:39:01	$149.00(Excl. VAT)



Overview



[image] AI Assistant is anEdge AI development kit powered by the STMicroelectronics STM32N657 MCU. This board integrates a powerful NPU, a global shutter camera, and rich peripherals to accelerate the development of advanced voice and vision AI applications, from smart home devices to industrial monitoring.This product is a co-create collaboration with Seeed StudioandSTMicroelectronicsFrance.

Key Features

01 **Flagship AI Microcontroller**

02 **Professional-grade Vision Sensor**

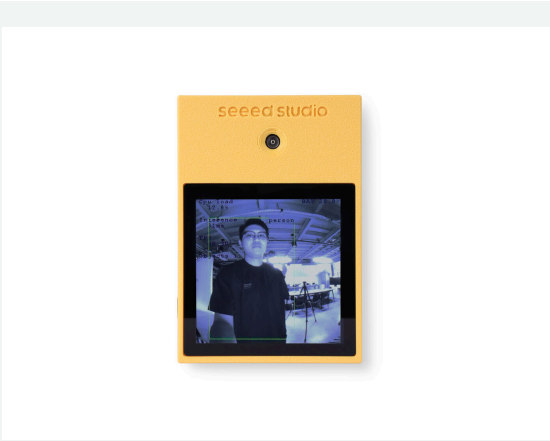
03 **Intelligent Sensing with ISPU**

04 **Rich Interactive Peripherals**

05 **Comprehensive Connectivity**

Product Gallery





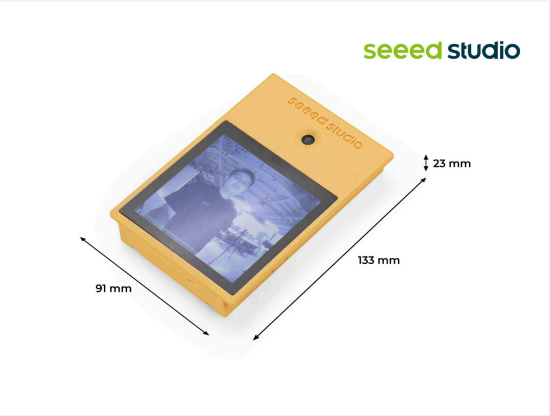








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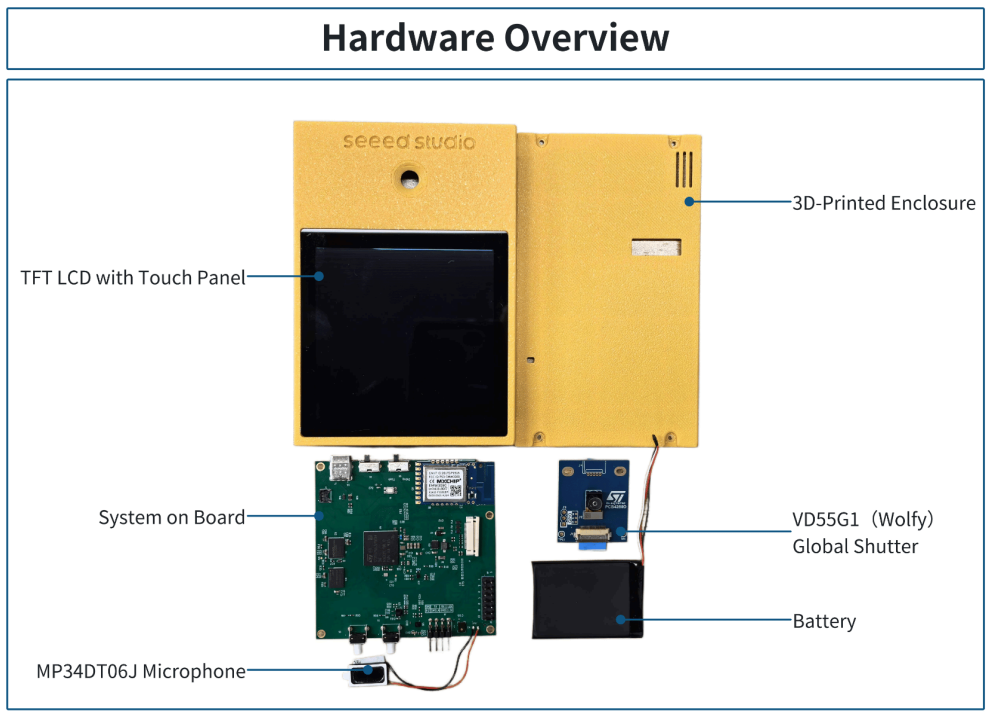
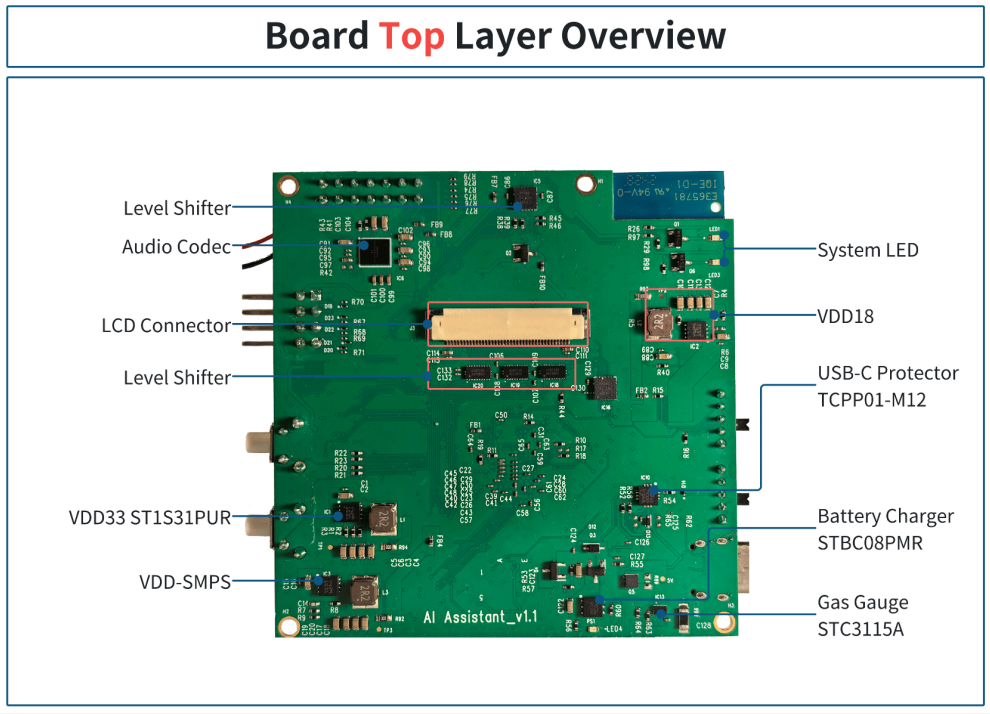
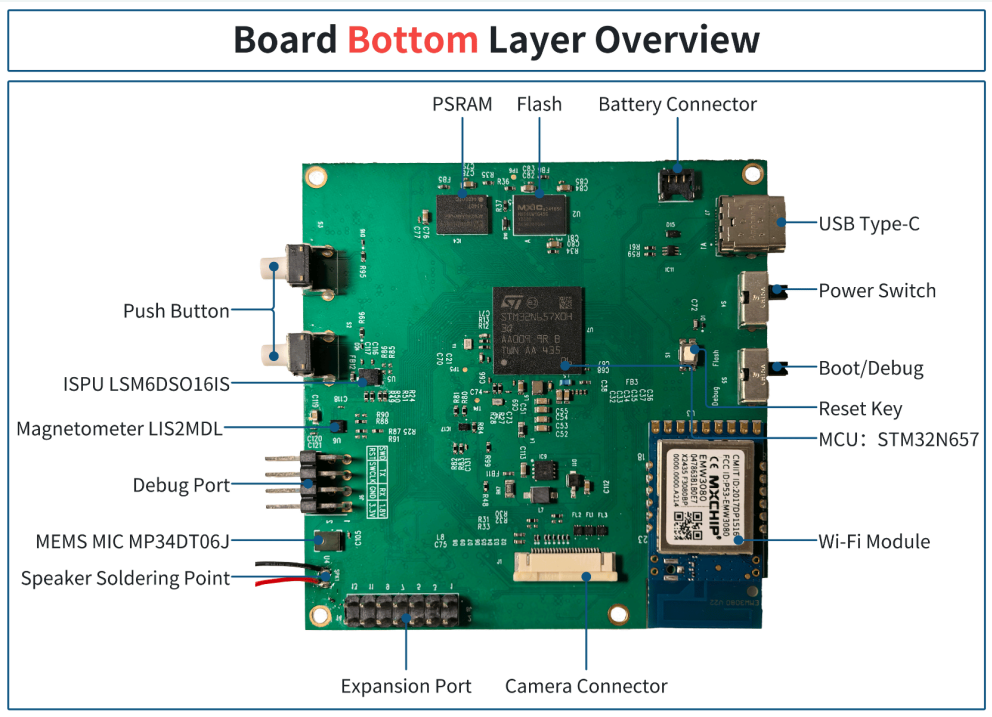
23 mm
133 mm
91 mm

Hardware Overview







Applications

- **AI-Powered User Interfaces: Develop touchless smart appliances, gesture control systems (based on palm detection and landmark recognition), and smart voice assistants connected to large language models.**
- **Smart Security & Building Automation: Implement features such as smart doorbells, indoor people detection and occupancy statistics, behavior analysis, and fall detection.**
- **Industrial & Robotic Vision: For use in scenarios like anomaly detection on production lines, robot pose estimation, and autonomous navigation.**
- **Health & Fitness Monitoring: Leverage the low-power advantage of the ISPU to develop wearable devices for gait analysis, fitness activity recognition, and long-term motion tracking.**
- **Educational & AI Research: An ideal, accessible platform for students and researchers to learn and experiment with real-world edge AI concepts and deployment workflows.**

Resource Links

- https://www.seeedstudio.com/AI-Assistant-p-6510.html
- AI Assistant Schematic

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