

# KAPI-USB

## API Development Board

### Introduction

The KAPI-USB is a compact, versatile development module featuring a high-resolution screen integrated with powerful microcontroller technology. Designed for OEMs and system integrators, it provides a reliable platform for implementing private API integration, intelligent control, automation, and IoT solutions with seamless connectivity.



### Key Features

- **High-Resolution Screen:** Compact display supporting colourful graphics and smooth interaction
- **Embedded Microcontroller:** Efficient processing core capable of running custom firmware for various control applications
- **Wireless Connectivity:** Supports Wi-Fi and Bluetooth for wireless communication and remote control
- **Multi-Protocol Interface:** Equipped with standard communication interfaces such as GPIO, I2C, SPI, UART, and ADC, suitable for a wide range of peripherals
- **Power Options:** Flexible power input via USB or external DC supply
- **Compact & Durable Design:** Small footprint, ideal for embedded and industrial use
- **Development Compatibility:** Supports popular development environments for firmware customization.

### API & Connectivity

This platform incorporates a specialized API layer designed to enable integration with diverse third-party systems and protocols. It facilitates communication over standard industrial protocols, including Modbus, with support tailored for control systems requiring reliable, seamless interoperability.

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## API Highlights:

- Universal Compatibility: Designed for integration with a variety of automation and control protocols
- Protocol Support: Full Modbus support (RTU/TCP) for interfacing with established controllers
- Flexible API: Modular architecture allowing customization for unique system requirements
- Remote Access & Control: Enables remote monitoring and data exchange via wireless interfaces

Additional Features

## Applications

- Building automation interfaces
- Industrial control panels
- Smart home systems
- IoT sensor dashboards
- HMI (Human-Machine Interface) solutions

## Support & Contact

For more information, technical support, or custom solution development, please contact your local distributor or system integrators.