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.

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 interfacesAdditional 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.