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NXP Freedom Platform for K32 L2A MCUs

FRDM-K32L2A4S   Receive alerts ⓘ

Overview | Product Details | Documentation | Design Resources ⓘ | Support | BUY OPTIONS | GET STARTED (/DOCUMENT/GUIDE/GE
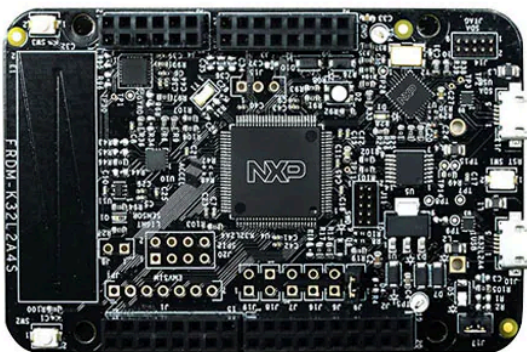
Roll over image to zoom in

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The FRDM-K32L2A4S Freedom development platform provides an ideal board for evaluation and development of the K32 L2A MCU family based on the Arm® Cortex®-M0+ architecture. This platform includes an onboard debug probe, accelerometer/magnetometer, a full-speed USB and easy access to K32 L2A's MCU I/O.

The FRDM-K32L2A4S board is fully supported by the MCUXpresso suite of tools, which provides device drivers, middleware and examples to allow rapid development, plus configuration and an optional free of charge IDE.

DESIGN FILES   **SOFTWARE**

Product Details

Supported Devices | Features | Applications

Supported Devices

Processors and Microcontrollers

K32 L Series Arm Cortex-M4/M0+

- **K32-L2** (/products/K32-L2): Ultra-Low-Power, Highly Integrated MCU

Features

Microcontroller	• K32L2A41VLL1A MCU running at up to 72 MHz • 512 kB Flash Memory • 128 kB SRAM Memory
Connectivity	• Full-speed USB with micro A/B connector for OTG functionally • Easy Access to K32 L2A MCU I/O
Debug	• OpenSDA debug interface • P&E Debug interface provides run-control debugging and compatibility with IDE tools
Sensors	• NXP FSO8700CQ digital sensor, 3D accelerometer (±2g/±4g/±8g) + 3D magnetometer
Power Management	• Flexible power supply options
Expansion Options	• Form factor compatible with Arduino® Rev3 pin layout
Software and support application development	null

Applications

Consumer

Air Conditioning (AC) (/applications/AIR-CONDITIONING)   USB Preripherals

Industrial

Door Locks   Factory Automation