





# **Zephyr**<sup>®</sup>

### Open Source

- Available through the Apache 2.0 open source license
- Free to use in commercial and non-commercial solutions

## 

- Long Term Support (LTS) with security updates
- Certification ready with Auditable code base for goal of safety certification

- ▶ Supports 802.15.4, Bluetooth® Low Energy, CAN, Cellular, Ethernet, LoRaWAN®, Thread®, USB and Wi-Fi®
- Supports standards like 6LoWPAN, CoAP, HTTP, IPv4, IPv6, LwM2M, Modbus®, MOTT, SNTP and WebSocket

#### নি Secure

- Developed with security in mind
  - Includes CNA with PSIRT response team

#### A PROVEN RTOS ECOSYSTEM, BY DEVELOPERS, FOR DEVELOPERS

- Open source RTOS
- ▶ **Support** for multiple architectures, SoCs and boards
- Highly configurable & modular
- Optimized for memory constrained devices
- ► Thread-level memory protection
- ► Native IPv4/IPv6 protocol stack
- ▶ Bluetooth® 5.0 support includes Bluetooth Low Energy mesh
- Over the air update via LwM2M or GATT
- OpenThread, LVGL, OpenAMP, FatFs, and LittleFS integrations
- Secure boot and update support
- Scalable, runs on systems as small as 8KB.

#### **DEVELOP YOUR PRODUCTS ON OVER 500 SUPPORTED BOARDS**



zephyrproject.org

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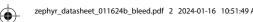


















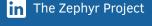
- Based on a small footprint kernel; targeting devices from simple embedded environmental sensors or wearables to IoT wireless gateways and industrial machines.
- > Supports multiple architectures, including Arm (Cortex-A, Cortex-R, Cortex-M), Intel x86, ARC, Nios II, Tensilica Xtensa, RISC-V, SPARC, and MIPS
- **Royalty-free**, under an Apache 2.0 license.

Getting Started Guide: docs.zephyrproject.org/latest/getting\_started/index.html Supported Boards: docs.zephyrproject.org/latest/boards/index.html View the Code: github.com/zephyrproject-rtos/zephyr

#### CONNECT











**Products Running** Zephyr



ZephyrIoT



### **MEMBERS**

























































































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