



# Zephyr®

## Open Source

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

## Product Ready

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

## Connected

- ▶ 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®, MQTT, SNMP and WebSocket

## 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



Zephyr®

[zephyrproject.org](https://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](https://docs.zephyrproject.org/latest/getting_started/index.html)

**Supported Boards:** [docs.zephyrproject.org/latest/boards/index.html](https://docs.zephyrproject.org/latest/boards/index.html)

**View the Code:** [github.com/zephyrproject-rtos/zephyr](https://github.com/zephyrproject-rtos/zephyr)

## CONNECT

 [chat.zephyrproject.org](https://chat.zephyrproject.org)  [@zephyr@social.lfx.dev](mailto:@zephyr@social.lfx.dev)

 The Zephyr Project  ZephyrProject

 ZephyrIoT  ZephyrIoT



Products Running  
Zephyr

## MEMBERS



PLATINUM



SILVER



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