



Zephyr[®]

Security

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

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

An RTOS with more than just kernel services

ZEPHYR OS

3rd Party Libraries

Application Services

Middleware/Networking

OS Services

Kernel

HAL

Develop your products on over 450 supported boards

- ▶ **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, LittlevGL, OpenAMP, FatFs, and LittleFS integrations
- ▶ **Secure boot**
- ▶ **Scalable**, runs on systems as small as 8KB



Zephyr[®]

ZEPHYRPROJECT.ORG

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Zephyr is based on a small footprint kernel for resource-constrained systems, from simple embedded environmental sensors and LED wearables to sophisticated smart watches and IoT wireless gateways. Its kernel supports multiple architectures, including Arm® Cortex®-M, Intel x86, ARC, NIOS II, Tensilica Xtensa, and RISC-V. Royalty free under an Apache 2.0 license.

DEVELOP

Main Project Site: <https://www.zephyrproject.org/>

Getting Started Guide: https://docs.zephyrproject.org/latest/getting_started/index.html

Supported Boards: <https://docs.zephyrproject.org/latest/boards/index.html>

View the Code: <https://github.com/zephyrproject-rtos/zephyr>

Join the Discord: <https://chat.zephyrproject.org/>

PARTICIPATE



ZephyrIoT



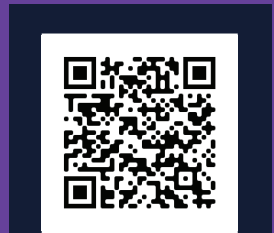
ZephyrIoT



ZephyrProject



The Zephyr Project



Products
Running Zephyr

MEMBERS

PLATINUM



SILVER



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