



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

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Zephyr®

- ▶ **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

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 The Zephyr Project  ZephyrProject

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**Products Running
Zephyr**

MEMBERS



Baumer



PLATINUM



SILVER



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