

The Leading Cross-Platform IDE for Embedded Development

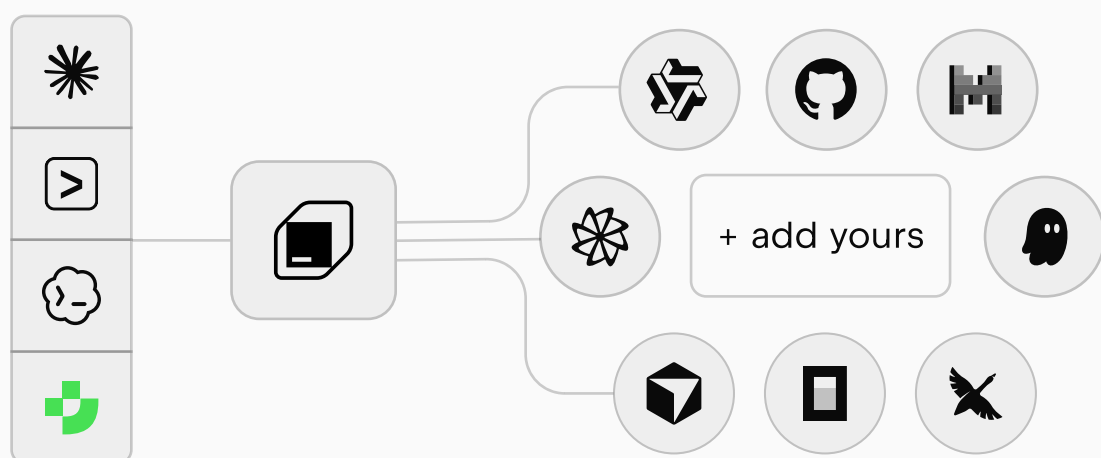
CLion empowers embedded development teams to build, debug, and ship safe code faster. It bridges the gap between general-purpose C, C++, Python, and Rust IDEs and specialized vendor tools, accelerating time to market while ensuring reliability in critical systems.

78%

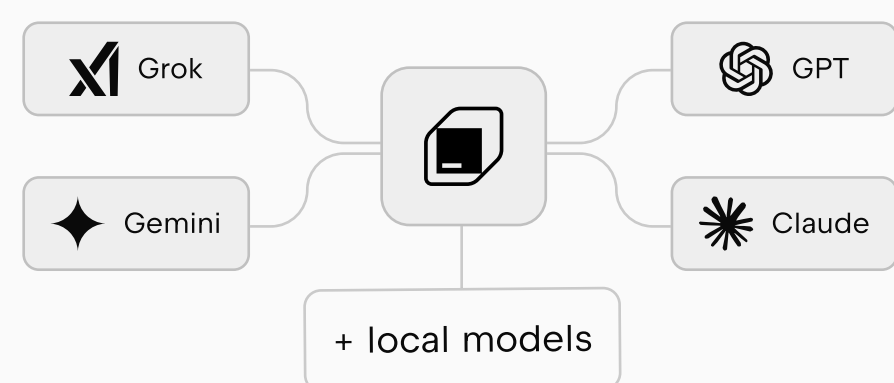
of developers report higher productivity since adopting CLion*

Natively integrated AI

A choice of AI agents, integrated or connected via [ACP](#) ↗



The latest AI models or your own local ones



Next edit suggestions and unlimited code completion

Fast, accurate code suggestions as you type, powered by deep IDE intelligence.

Transparent AI costs without vendor lock-in

Use a JetBrains AI subscription or connect your own provider with **Bring Your Own Key (BYOK)**.

Ready to use out of the box

- A complete coding experience that lets you develop in C and C++ quickly and safely – without juggling external tools.
- Out-of-the-box support for STM32, ESP32, RISC-V, AVR, and PIC32, as well as custom GCC-based and IAR-based toolchains.
- Seamless workflows with STM32CubeMX, ESP-IDF, PlatformIO, and Zephyr West.
- On-chip debugging with ST-LINK, Lauterbach TRACE32, SEGGER J-Link, OpenOCD, and QEMU, plus RTOS integration, live watches, and peripheral views.
- Seamless remote development and on-target debugging for embedded Linux devices.

Boosted developer productivity

- Enterprise-grade C and C++ workflows with first-class support for CMake, Makefiles, Meson, and Bazel.
- Cross-vendor flexibility paired with complex multi-toolchain builds.

Improved code quality

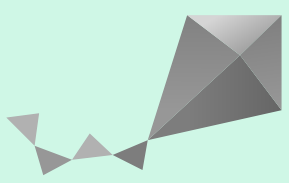
- No missed compile errors with smart formatting, linting, and error detection, including MISRA checks.
- Full GoogleTest support and unit test automation for embedded code.
- Remote development functionality with minimal latency, even on constrained setups.

*According to the CLion Developer Experience and Productivity Survey 2025, developers report an increase in productivity and praise CLion for its ability to simplify work on large, complex C and C++ projects by integrating powerful static analysis, navigation, and debugging tools into a single environment.

Powering embedded development together



Espressif



Zephyr



SEGGER



Qt

and more



TASKING



PlatformIO



IAR Systems



STMicroelectronics

CLion pays for itself in days

Price per user per day

\$1

Estimated monthly savings

per developer, by providing a productivity increase of 5%–20% – with a median of 14%

\$1,800

¹ Based on 260 business days a year, with CLion for organizations priced at USD 259 per user per year.
² The salary range for C and C++ developers in the USA is calculated based on weighted data from JetBrains’ Developer Ecosystem Survey 2024.

Why is JetBrains recognized?

Security and compliance

JetBrains tools adhere to industry-leading security standards, including SOC 2 certification.





Start the conversation →

See pricing

Request a demo

300K+
Organizations choose JetBrains

88/100
Fortune Global Top 100 companies use JetBrains



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