

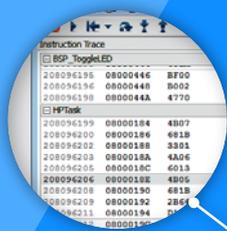
Ozone



The J-Link debugger and performance analyzer

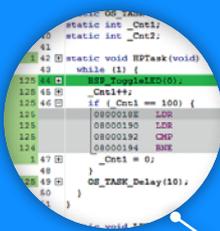
Ozone is a full-featured multi-platform debugger and performance analyzer for embedded applications. With Ozone it is possible to debug any embedded application at C/C++ source and assembly level. Ozone can load applications built with any toolchain/IDE or debug the target's resident application without having any code available. Ozone includes extensive

debug information windows and makes the best use of the performance of the J-Link debug and J-Trace trace probe. The user interface is designed to be used intuitively and is fully configurable. All windows can be moved, re-sized and closed. Ozone is available for Windows, macOS and Linux.



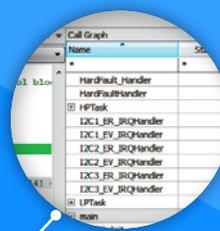
Instruction trace

The basic information provided by trace data is the instruction trace. When the target is halted, Ozone shows the most recently executed instruction in its Instruction Trace Window. This allows you to analyze what your system did last.



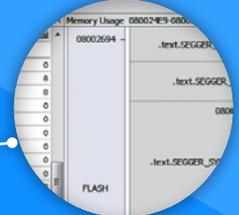
Source code

The Source Code Viewer enables navigation through the target application. It shows the current program execution and lets the developer modify the target behaviour. The inline disassembly provides deeper insight per source line. Source Code can be directly edited in the Source Code Viewer.



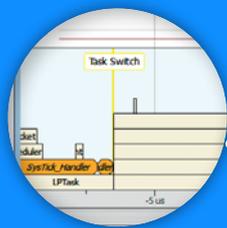
Call Graph

Call Graph shows static information about paths of function calls in your application to analyze call depth and stack requirements. It highlights recursions and the use of function pointers



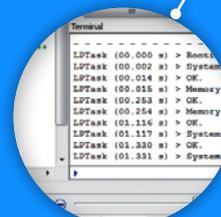
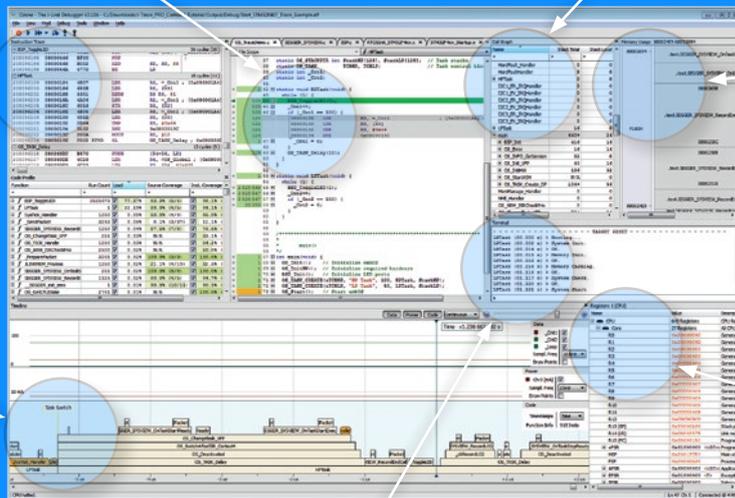
Memory usage

Ozone's Memory Usage Window provides a graphical representation of the memory content of the embedded application. It provides a quick overview where symbols are placed and how much space is used.



Timeline

Ozone can display runtime information of the embedded application in the unified Timeline window. The Code Timeline shows the instruction trace data as a graphical representation of the Call Stack over time. The Data Sampling tracks symbols and arbitrary C style expressions at time resolutions of down to 1 microsecond and visualizes the values in the Data Timeline. Using the Power Sampling feature of J-Link, the Power Timeline captures and displays the power consumption of the target device.



Terminal

Ozone can capture printf-output by the embedded application via SEGGER's Real Time Transfer (RTT) technology that provides extremely fast IO coupled with low microcontroller intrusion.



Registers

The current CPU registers are shown in Ozone's Registers Window. In addition to the basic CPU registers, Ozone can also display memory-mapped peripheral registers (SFRs).

