

Micrium

949 Crestview Circle • Weston, FL 33327-1848
954-217-2036
www.micrium.com

Embedded Software

Micrium's vision is to provide the highest-quality embedded software components in the industry, in the form of engineer-friendly source code with unsurpassed documentation and customer support. Micrium's products consistently deliver on that vision to shorten time-to-market throughout all product development cycles.

Micrium's world-renowned real-time operating system, the Micrium μ C/OS-II, was the first product to embrace this vision. The company's flagship product, it features the highest-quality source code available for today's embedded market.

Today, Micrium delivers to the embedded marketplace a full portfolio of embedded software components that complement μ C/OS-II. A TCP/IP stack, USB Device, Host and OnTheGo stack, CAN stack, File System (FS), Graphical User Interface (GUI), as well as many other high-quality embedded components are now available.

Micrium has also brought to market the μ C/Probe universal embedded systems monitoring tool. This award-winning product enables embedded developers to monitor embedded systems in a live environment allowing them to see the internals of a running embedded application.

The development process at Micrium enforces strict coding standards, code reviews, and clear and concise documentation. This process was instrumental in creating a Validation Suite™ for μ C/OS-II that provides all documentation necessary to deliver μ C/OS-II as a pre-certifiable software component for such safety critical systems as avionics RTCA DO-178B and EUROCAE ED-12B, medical FDA 510(k), and IEC 61058 standard for transportation and nuclear systems.

Micrium's μ C/OS-II is certified for the highest criticality systems. Even when products under development are not safety critical, the certifications represent proof points that Micrium's μ C/OS-II is the most robust and reliable RTOS available.

Micrium

**FEATURES:**

- All products come with outstanding documentation, source code, and customer support, and offer royalty-free licensing
- Try-before-you-buy: No obligation, time-limited trials available for μ C/OS-II, μ C/TCP-IP, and μ C/Probe
- μ C/OS-II certified for avionics RTCA DO-178B and EUROCAE ED-12B, medical FDA 510(k), and IEC 61058 standard for transportation/nuclear
- μ C/TCP-IP is a compact, reliable, high performance TCP/IP protocol stack that enables rapid configuration of required network options
- μ C/Probe is a universal Windows application for monitoring live embedded systems; it retrieves and graphically displays global variables
- μ C/FS is a file system for embedded applications that can be used with any media to provide basic hardware access functions
- μ C/GUI is a graphical user interface for embedded systems, offering a universal GUI to any application
- μ C/USB offers complete, portable, high-quality USB software for all configurations: Host, Device, or OnTheGo (OTG)
- μ C/FL is software for program updates for embedded applications via serial interface from a PC
- μ C/Modbus is a Modbus Slave or Master software stack that allows embedded systems to communicate using the MODBUS protocol
- μ C/CAN is a CAN protocol framework that enables easy and clean implementation of CAN communication paths
- μ C/Building Blocks are basic embedded software modules that include μ C/Clk clock and μ C/LCD to control LCD modules