

Micrium

Empowering Embedded Systems

μC/OS-II

and the
Microchip PIC24

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About Micrium

Micrium provides high-quality embedded software components in the industry by way of engineer-friendly source code, unsurpassed documentation, and customer support. The company's world-renowned real-time operating system, the Micrium µC/OS-II, features the highest-quality source code available for today's embedded market. Micrium delivers to the embedded marketplace a full portfolio of embedded software components that complement µC/OS-II. A TCP/IP stack, USB stack, CAN stack, File System (FS), Graphical User Interface (GUI), as well as many other high quality embedded components. Micrium's products consistently shorten time-to-market throughout all product development cycles. For additional information on Micrium, please visit www.micrium.com.

About µC/OS-II

Thank you for your interest in µC/OS-II. µC/OS-II is a preemptive, real-time, multitasking kernel. µC/OS-II has been ported to over 45 different CPU architectures and now, has been ported to the PIC24 CPU available from Microchip.

µC/OS-II is small yet provides all the services you'd expect from an RTOS: task management, time and timer management, semaphore and mutex, message mailboxes and queues, event flags and much more.

You will find that µC/OS-II delivers on all your expectations and you will be pleased by its ease of use.

Licensing

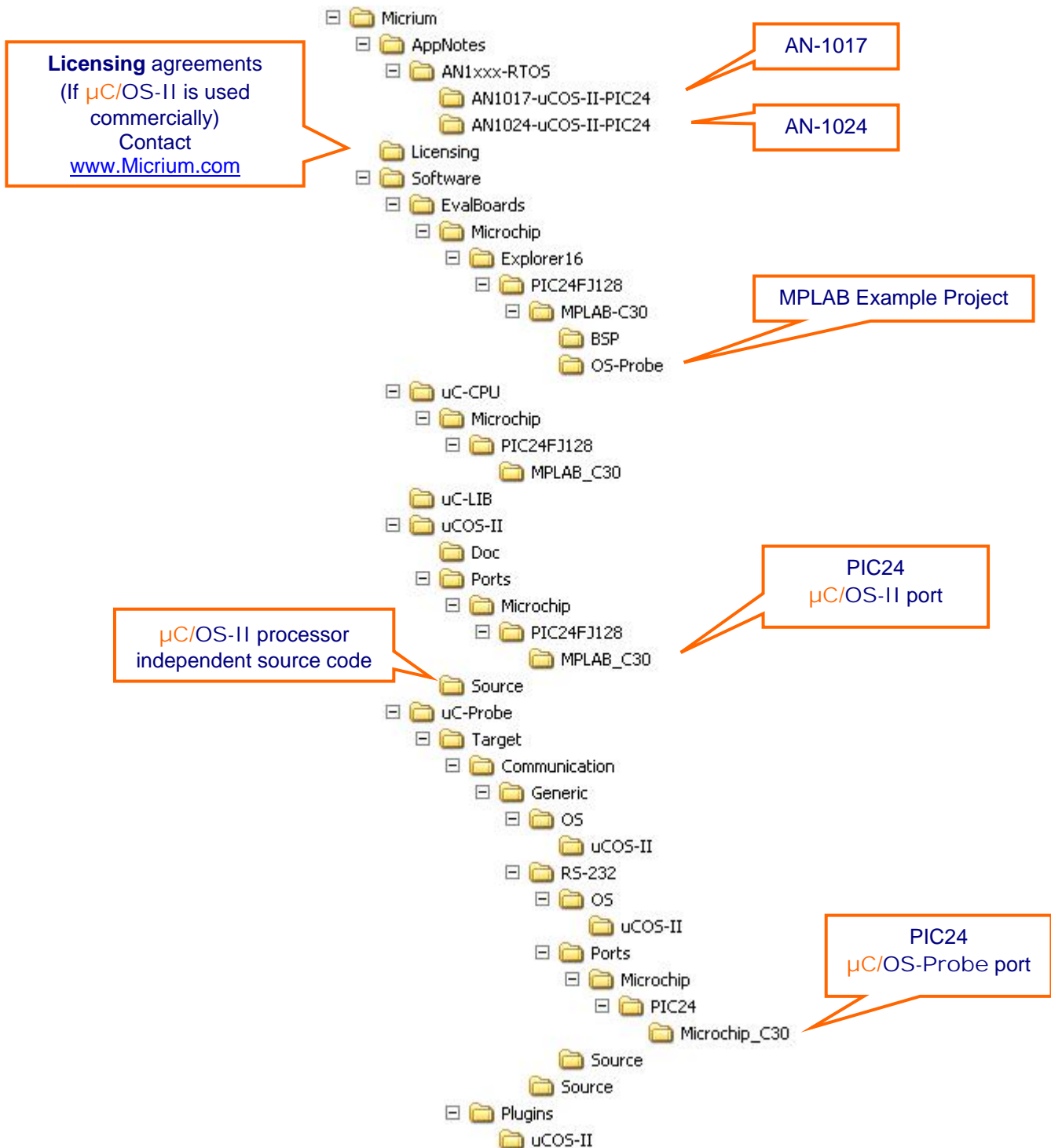
µC/OS-II is provided in source form for **FREE** evaluation, for educational use or for peaceful research. If you plan on using µC/OS-II in a commercial product you need to contact Micrium to properly license its use in your product. We provide **ALL** the source code with this application note for your convenience and to help you experience µC/OS-II. The fact that the source is provided **DOES NOT** mean that you can use it without paying a licensing fee. Please help us continue to provide the Embedded community with the finest software available. Your honesty is greatly appreciated.

Installing the Micrium Software

The source code for μC/OS-II is provided in source form along with MPLAB project files that allows you to run μC/OS-II on the Microchip Explorer 16 Evaluation Board. To install the software, simply run the self-extracting executable.

The self-extracting executable is called **Micrium-Microchip-uCOS-II-Probe-PIC24.exe**.

You will be prompted to accept the simple terms of the licensing agreement. If you answer 'Yes', the software will be installed on your PC under the \Micrium directory from the root, e.g c:\Micrium.



You should open AN-1017 which describes how the example code works.

AN-1024 describes how μ C/OS-II was ported to PIC24 based processors.

Erratas

If you find any errors in the documentation or code provided, please send those corrections to Support@Micrium.com. Be sure to specify the processor, version of μC/OS-II and any other pertinent information about the error being reported.

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