

Micrium

Empowering Embedded Systems

μ C/OS-II

and the
Microchip dsPIC33

Read Me

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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 μ C/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 μ C/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 μ C/OS-II

Thank you for your interest in μ C/OS-II. μ C/OS-II is a preemptive, real-time, multitasking kernel. μ C/OS-II has been ported to over 45 different CPU architectures and now, has been ported to the dsPIC33 CPU available from Microchip.

μ C/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 μ C/OS-II delivers on all your expectations and you will be pleased by its ease of use.

Licensing

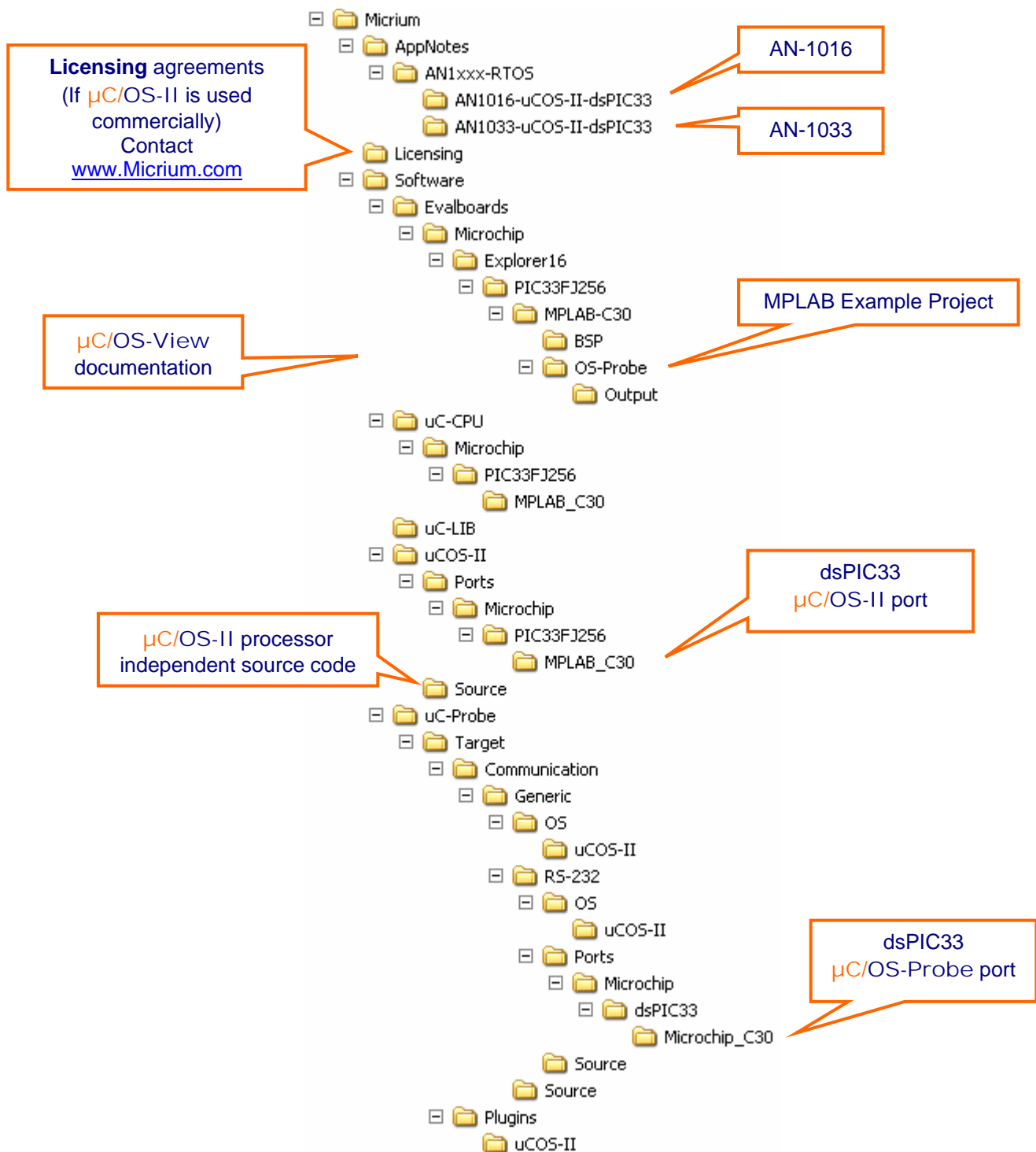
μ C/OS-II is provided in source form for **FREE** evaluation, for educational use or for peaceful research. If you plan on using μ C/OS-II in a commercial product you need to contact Micrium to properly license its use in your product. We provide **ALL** the source code with this application note for your convenience and to help you experience μ C/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-dsPIC33.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.



You should open AN-1016 which describes how the example code works.

AN-1033 describes how μ C/OS-II was ported to dsPIC33 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.

Contacts

CMP Books, Inc.

6600 Silacci Way
Gilroy, CA 95020 USA
Phone Orders: 1-800-500-6875
 or 1-408-848-3854
Fax Orders: 1-408-848-5784
e-mail: rushorders@cmpbooks.com
WEB: <http://www.cmpbooks.com>

Micrium

949 Crestview Circle
Weston, FL 33327
USA
954-217-2036
954-217-2037 (FAX)
e-mail: Jean.Labrosse@Micrium.com
WEB: www.Micrium.com

Microchip Technology Inc.

2355 West Chandler Blvd.
Chandler, Arizona 85224-6199
USA
480-792-7200
WEB: www.MicroChip.com