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µC/USB DEVICE™ STACK FOR CROSSCORE® EMBEDDED STUDIO

| Product Details | System Requirements | Documentation | Software and Tools | 🛒 Buy |

Product Details

µC/USB Device™ Stack for CrossCore® Embedded Studio is the result of a partnership between Analog Devices and Micriµm to provide a user-friendly programming environment for embedded applications requiring USB device connectivity. To use the stack in an embedded application requires a minimum of the µC/USB Device™ Core for CrossCore® Embedded Studio product, along with one or more of the supported More ⌄

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FEATURES

- uC/USB Device stack for CrossCore Embedded Studio requires a real-time operating system (RTOS).
- Integrates seamlessly with CrossCore Embedded Studio.
- Supports CrossCore Embedded Studio user interface windows for configuring the USB stack and device classes.
- Supports Full and High Speed USB Connections.
- Supports bulk, control and interrupt transfer types.
- Supports CDC/ACM, HID, MSC, PHDC and Vendor device classes.

- Supports responses to USB standard requests.
- Scalable to contain only required features.
- Complies with USB 1.1 and USB 2.0.
- Provides examples (one for each class) for a smooth out-of-the-box experience.
- Well integrated with µC/OS-III™ for CrossCore Embedded Studio to provide a threaded solution for USB.

PRODUCT DOWNLOADS

- Download µC/USB Device Core for CrossCore Embedded Studio Software (Rel 1.0.1 - ~13 MB)
- Download µC/USB Device Class CDC-ACM for CrossCore Embedded Studio Software (Rel 1.0.1 - ~6 MB)
- µC/USB Device Class HID for CrossCore Embedded Studio Software (Rel 1.0.1 - ~6 MB)
- Download µC/USB Device Class MSC for CrossCore Embedded Studio Software (Rel 1.0.1 - ~6 MB)
- Download µC/USB Device Class PHDC for CrossCore Embedded Studio Software (Rel 1.0.1 - ~15 MB)
- Download µC/USB Device Class Vendor for CrossCore Embedded Studio Software (Rel 1.0.1 - ~15 MB)
- µC/USB Device™ Stack for CrossCore Embedded Studio Release Note
- CrossCore Software Licensing Guide[1]

Send Feedback ✕

Notes:

[1] For a summary of the Micriµm CrossCore Software Licensing Options refer to the section below.

System Requirements

- Windows XP Professional SP3 (32-bit only).
- Windows Vista Business/Enterprise/Ultimate SP2 (32-bit only). It is recommended to install the software in a non-UAC-protected location.
- Windows 7 Professional/Enterprise/Ultimate (32 and 64-bit). It is recommended to install the software in a non-UAC-protected location.

- Minimum of 2 GHz single core processor, 3.3 GHz dual core is recommended.
- Minimum of 1 GB memory (RAM), 4 GB is recommended.
- Minimum of 2 GB hard disk (HDD) space is required.
- CrossCore Embedded Studio for Analog Devices Processors.

Documentation

- µC/USB Device™ Universal Serial Bus Device Stack User's Manual v4.00 (pdf, 3269 kB)

Software and Tools

- lwIP Lightweight TCP/IP Stack for CrossCore Embedded Studio
- µC/FS™ File System for CrossCore Embedded Studio
- CrossCore Embedded Studio
- µC/OS-III™ Real-Time Kernel for CrossCore® Embedded Studio

ENGINEERZONE SUPPORT COMMUNITY: LATEST CROSSCORE EMBEDDED STUDIO AND ADD-INS

- Re: A fatal error with CCES (29 Mar 2013)
- Re: Stack allocation of BF60x_CCES (28 Mar 2013)
- Re: What scripting capabilities does CCES have? (26 Mar 2013)
- Re: Porting Project from VisualDSP to CrossCore, Receiving Linker Error cc3089 (22 Mar 2013)
- Re: Unable to access data from SDRAM (14 Mar 2013)

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Micrium based CrossCore Software License Options

Single Product License
A Single Product License allows the licensee to embed the software into one specific customer identified end-product. Each end-product can be produced in an unlimited number of units, for the lifetime of that one specific end-product. An end-product refers to a product manufactured by the licensee using the software. Each end-product is assumed to contain a single microprocessor, microcontroller or DSP.

Product Line License (Product Family License)

A Product Line License (also known as a Product Family License) allows the licensee to embed the software into an unlimited number of different "Single Products? as long as each such product performs a similar function. For example, all commercial washing machines would be considered being part of a product family. Commercial "dryers? would be considered being part of a different family of products. Each end-product within the product family can be produced in an unlimited quantity, for the lifetime of the end-products belonging to the product family.

CPU-Type License (Platform License)

A CPU-Type License allows the licensee to embed the software into any number of different end-products using a single and specific processor type. The license holder may manufacture an unlimited number of units of each of these different end-products for the life of the end-product that uses the specific licensed processor type from ADI (or its affiliates). The processor type is defined as being part of the same family. For example; Blackfin® (for example, Blackfin® ADSP-BFxxx).

Site License

A Site License allows the licensee to embed the software into any end-product that uses any CPU as long as the products are designed at a single physical site. A site is defined as licensee facilities where a product is being developed and may consist of multiple buildings located within a two (2) mile radius building one or more end-products.

Common to all Micrµm based CrossCore Embedded Studio Add-in licenses:

- Licenses are royalty free.
- Licenses are perpetual for the life of the customer end-product.
- One year of maintenance is included with each license. The maintenance period begins when the product is first licensed.
- Subsequent years of maintenance are optional but highly recommended so that upgrades, improvements, bug fixes etc. are continually provided.
- For pricing on additional Micrµm based CrossCore Software license options, please Contact ADI
- For a more complete list of µC/USB Device Stack parts refer to this document

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Maintenance Policy: A CrossCore Embedded Studio license includes one year of updates, upgrades and lifetime support. The optional annual maintenance provides access to updates and upgrades released during the maintenance period. Updates released after the maintenance period will not run until maintenance is renewed. Renewing maintenance provides instant access to all previous updates. Annual maintenance is 20% of book price for each license option, for additional information please Contact ADI

Evaluation Version Reminder: A reminder that once your evaluation of uCOS-III Real-Time Kernel for CrossCore Embedded Studio is complete, and you decide to use it in a commercial product,you must purchase a full license from Analog Devices to comply with our license terms and agreements.

Licensing to Colleges and Universities Policy: Developers from accredited colleges and universities can use µC/OS-III Real-Time Kernel for CCES without a license, as long as the software is used only for educational purposes or peaceful research.

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µC/USB Device™ Stack for CrossCore® Embedded Studio　　　　　　　　　　　　　　　　Print Table

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AD-UCUSB-DCHID-SPL Status: Production	µC/USB DC HID for CCES Single Prod Lic		Yes	-	
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AD-UCUSB-DCPHD-SPL Status: Production	µC/USB DC PHDC for CCES Single Prod Lic		Yes	-	
AD-UCUSB-DCVNDRSPL Status: Production	µC/USB DC Vndor for CCES Single Prod Lic		Yes	-	
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