



Welcome User
Log In
 View Cart



 Share | Print | Save to myAnalog

[Product Details](#)
[System Requirements](#)
[Documentation](#)
[Software and Tools](#)
[Buy](#)



CrossCore®
Development Tools
by Analog Devices



Micrium
μC/USB Device™
→ Universal Serial Bus Device Stack



**ANALOG
DEVICES**

Copyright © 2012 Analog Devices, Inc. All Rights Reserved.

[Check Price and Availability](#)

- μ C/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 μ C/OS-III™ for CrossCore Embedded Studio to provide a threaded solution for USB.

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

¹ For a summary of the Micrium CrossCore Software Licensing Options [refer to the section below](#).

[Send Feedback](#)

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)

[View All Results](#)

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 Micrium 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 Micrium based CrossCore Software license options, please [Contact ADI](#)
- For a more complete list of µC/USB Device Stack parts refer to [this document](#)

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.



PRICE, PACKAGING, AVAILABILITY

µC/USB Device™ Stack for CrossCore® Embedded Studio

[Print Table](#)

Model	Description	Price	RoHS	View PCN/ PDN	Check Inventory/ Purchase/Sample
AD-UCUSB-SPRD Status: Production	µC/USB Device for CCES Single Prod Lic		Yes	-	
AD-UCUSB-DCAUD-SPL Status: Production	µC/USB DC Audio for CCES Single Prod Lic		Yes	-	
AD-UCUSB-DCCDC-SPL Status: Production	µC/USB DC CDC for CCES Single Prod Lic		Yes	-	
AD-UCUSB-DCHID-SPL Status: Production	µC/USB DC HID for CCES Single Prod Lic		Yes	-	
AD-UCUSB-DCMSC-SPL Status: Production	µC/USB DC MSC for CCES Single Prod Lic		Yes	-	
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	-	
AD-UCUSB-MNT-SP Status: Production	Maintenance µC/USB Dev Single Prd Lic		Yes	-	
AD-UCUSB-MAUD-SPL Status: Production	Maintenance µC/USB Aud Single Prd Lic		Yes	-	
AD-UCUSB-MCDC-SPL Status: Production	Maintenance µC/USB CDC Single Prd Lic		Yes	-	
AD-UCUSB-MHID-SPL Status: Production	Maintenance µC/USB HID Single Prd Lic		Yes	-	
AD-UCUSB-MMSC-SPL Status: Production	Maintenance µC/USB MSC Single Prd Lic		Yes	-	
AD-UCUSB-MPHD-SPL	Maintenance µC/USB PHD Single Prd Lic		Yes	-	

Status: Production					
AD-UCUSBD-MVNDRSPL Status: Production	Maintenanceμ C/USB Vndor Sngle Prd Lic Yes			-	

Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.

Check Inventory & Purchase

» View Sales and Distribution Offices

Careers | Contact ADI | About ADI | Investor Relations | News Room | About This Site | Site Map | 简体中文 | 日本語 | eNewsletters | Analog Dialogue



© 1995 - 2013 Analog Devices, Inc. All Rights Reserved