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Micrium μ C/USB Host

μ C/USB Host Stack for CrossCore Embedded Studio (CCES) is the result of a...[Show More..](#)

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Overview

Compatible
Parts

Features and Benefits | Product Details

- μ C/USB Host stack for CrossCore Embedded Studio requires a real-time operating system
- Integrates seamlessly with CrossCore Embedded Studio
- Supports CrossCore Embedded Studio user interface windows for configuring the USB stack and host classes
- Supports Low (e.g. keyboard) and High Speed (e.g. USB Flash Drive) device connections
- Supports bulk, control and interrupt transfer types
- Supports HID and MSC host classes
- Supports hubs (ADSP-BF609 family only)
- 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
- Well integrated with μ C/FS™ for CrossCore Embedded Studio to provide a Mass Storage Class solution which works out of the box

- [ADSP-SC589](#)
- [ADSP-SC584](#)
- [ADSP-SC587](#)
- [ADSP-SC583](#)
- [ADSP-SC582](#)
- [ADSP-SC573](#)
- [ADSP-SC572](#)
- [ADSP-SC571](#)
- [ADSP-SC570](#)
- [ADSP-21587](#)

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\(1\)](#)

[Design Tools \(1\)](#)

[Software Development Tools
\(1\)](#)

[Middleware \(5\)](#)

Licensing

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 μ C/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 or uCOS-II 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 μ C/OS-III Real-Time Kernel for CCES without a license, as long as the software is used only for educational purposes or peaceful research.

Systems Requirements

- Windows 7 Professional, Enterprise, or Ultimate (32 and 64-bit)
- Windows 8.1 Pro or Enterprise (32 and 64-bit)
- Windows 10 Pro or Enterprise (32 and 64-bit)
- 2 GHz single core processor; 3.3GHz dual core or better recommended
- 1 GB RAM; 4GB or more recommended
- 2 GB available disk space
- One open USB port

Documentation

View All (2)

Software Manuals

(2)

Related Hardware (3)

EZ-Kits

[ADZS-SC573-EZLITE](#)

ADSP-SC573 Evaluation
Hardware for the ADSP-
SC57x/ADSP-2157x SHARC
Family (400-ball, 17x17mm BGA)

[ADZS-SC589-EZLITE](#)

ADSP-SC589 Evaluation
Hardware for the ADSP-
SC58x/ADSP-2158x SHARC
Family (529-ball CSPBGA)

[ADZS-SC584-EZLITE](#)

ADSP-SC584 Evaluation
Hardware for the ADSP-
SC58x/ADSP-2158x SHARC
Family (349-ball CSPBGA)

Discussions

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Model	Description	Price	RoHS
AD-UCUSB-HCCDC-CL Contact ADI	µC/USB HC CDC for CCES CPU-Type License		Yes
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AD-UCUSB-HCCDC-SL Contact ADI	µC/USB HC CDC for CCES Site License	-	Yes
AD-UCUSB-HCCDC-SPL Contact ADI	µC/USB HC CDC for CCES Single Prod License		Yes
AD-UCUSB-HCHID-CL Contact ADI	CPU-Type License of µC/USB Host Class HID for CrossCore Embedded Studio		Yes
AD-UCUSB-HCHID-PLL Contact ADI	Product Line License of µC/USB Host Class HID for CrossCore Embedded Studio		Yes
AD-UCUSB-HCHID-SL Contact ADI	Site License of µC/USB Host Class HID for CrossCore Embedded Studio	-	Yes
AD-UCUSB-HCHID-SPL Contact ADI	Single Product License of µC/USB Host Class HID for CrossCore Embedded Studio		Yes
AD-UCUSB-HCMSC-CL Contact ADI	CPU-Type License of µC/USB Host Class MSC for CrossCore Embedded Studio		Yes
AD-UCUSB-HCMSC-PLL Contact ADI	Product Line License of µC/USB Host Class MSC for CrossCore Embedded Studio	-	Yes
AD-UCUSB-HCMSC-SL Contact ADI	Site License of µC/USB Host Class MSC for CrossCore Embedded Studio	-	Yes
AD-UCUSB-HCMSC-SPL Contact ADI	Single Product License of µC/USB Host Class MSC for CrossCore Embedded Studio		Yes
AD-UCUSB-HCPRN-CL Contact ADI	µC/USB HC CDC for CCES CPU-Type License		Yes

AD-UCUSB-HCPRN-PLL Model Contact ADI	µC/USB HC CDC for CCES Prod Line License Description	Price	Yes RoHS
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AD-UCUSB-HCPRN-SPL Contact ADI	µC/USB HC CDC for CCES Single Prod License		Yes
AD-UCUSBH-CPU Contact ADI	CPU-Type License of µC/USB Host Stack core software for CrossCore Embedded Studio		Yes
AD-UCUSBH-MCDC-CL Contact ADI	µC/USB HC CDC for CCES CPU-Type License		Yes
AD-UCUSBH-MCDC-PLL Contact ADI	µC/USB HC CDC for CCES Prod Line License		Yes
AD-UCUSBH-MCDC-SL Contact ADI	µC/USB HC CDC for CCES Site License	-	Yes
AD-UCUSBH-MCDC-SPL Contact ADI	µC/USB HC CDC for CCES Single Prod License		Yes
AD-UCUSBH-MHID-CL Contact ADI	CPU-Type Maintenance License of µC/USB Host Class HID for CrossCore Embedded Studio		Yes
AD-UCUSBH-MHID-PLL Contact ADI	Product Line Maintenance License of µC/USB Host Class HID for CrossCore Embedded Studio		Yes
AD-UCUSBH-MHID-SL Contact ADI	Site Maintenance License of µC/USB Host Class HID for CrossCore Embedded Studio	-	Yes
AD-UCUSBH-MHID-SPL Contact ADI	Single Product Maintenance License of µC/USB Host Class HID for CrossCore Embedded Studio		Yes
AD-UCUSBH-MMSC-CL Contact ADI	CPU-Type Maintenance License of µC/USB Host Class MSC for CrossCore Embedded Studio		Yes
AD-UCUSBH-MMSC-PLL Contact ADI	Product Line Maintenance License of µC/USB Host Class MSC for CrossCore Embedded Studio		Yes
AD-UCUSBH-MMSC-SL Contact ADI	Site Maintenance License of µC/USB Host Class MSC for CrossCore Embedded Studio	-	Yes
AD-UCUSBH-MMSC-SPL Contact ADI	Single Product Maintenance License of µC/USB Host Class MSC for CrossCore Embedded Studio		Yes

Model	Description		RoHS
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AD-UCUSBH-MNT-SP Contact ADI	Single Product Maintenance License of μ C/USB Host Stack core software for CrossCore Embedded Studio		Yes
AD-UCUSBH-MNT-ST Contact ADI	Site Maintenance License of μ C/USB Host Stack core software for CrossCore Embedded Studio	-	Yes
AD-UCUSBH-MPRN-CL Contact ADI	Maintenance μ C/USBH PRN CPU-Type License		Yes
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AD-UCUSBH-MPRN-SPL Contact ADI	Maintenance μ C/USBH PRN Single Prd License		Yes
AD-UCUSBH-PL Contact ADI	Product Line License of μ C/USB Host Stack core software for CrossCore Embedded Studio		Yes
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