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Debugger and Programmer for RF System-on-Chips

(ACTIVE) CC-DEBUGGER

Description & Features

Technical Documents

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
CC-DEBUGGER: Debugger and Programmer for RF System-on-Chips	\$49.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE
Contact a Distributor	California	<input type="button" value="Go"/>	

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Key Document

[CC Debugger User's Guide \(Rev. H\)](#) (PDF 852 KB)
17 Apr 2014 5,893 views [Read Abstract](#)

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Description

[View CC-Debugger](#)

The CC Debugger is a small programmer and debugger for the TI Low Power RF System-on-Chips. It can be used together with IAR Embedded Workbench for 8051 (version 7.51A or later) for debugging and SmartRF Flash Programmer for flash programming. The CC Debugger can also be used for controlling selected devices from SmartRF Studio.

Features

Contents in the box:

- CC Debugger
- Mini USB cable
- 10-pin flat cable with 2x5 2.54mm connector
- 10-pin flat cable with 2x5 1.27mm connector
- Converter board 2.54mm-1.27mm connector
- Documentation

CC-Debugger can be used to program and debug the following 8051-based system-on-chips from Texas Instruments:

- CC1110, CC1111
- CC2430, CC2431
- CC2510, CC2511
- CC2530, CC2531, CC2533
- CC2540, CC2541
- CC2543, CC2544, CC2545

It is possible to control the same devices from SmartRF Studio. In addition, CC-Debugger can control the following transceivers from SmartRF Studio:

- CC1120, CC1121, CC1125, CC1175
- CC1100, CC1101, CC110L, CC113L, CC115L
- CC2500, CC2520


It can also be used to program the PurePath Wireless devices:

- CC8520, CC8521
- CC8530, CC8531



The CC Debugger works with IAR EW8051 version 7.51A or later.

Technical Documents

Application Notes (1)

Title	Abstract	Type	Size (KB)	Date	Views
 DN304 - CCxxxx Development Tools USB Driver Installation Guide	Read Abstract	PDF	887	11 May 2011	3,018

User Guides (3)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
 CC Debugger User's Guide (Rev. H)	Read Abstract	PDF	852	17 Apr 2014	5,893	✓
CC Debugger Layout and Schematics		ZIP	450	06 Aug 2012	1,390	
 CC Debugger Quick Start Guide (Rev. B)		PDF	398	23 Feb 2012	1,786	

Related Products

Software (1)

 [Cebal - CCxxxx Development Tools USB Driver for Windows x86 and x64 \(Rev. A\)](#)
(ZIP, 2017 KB) 3070 views, 11 May 2011

Development Tools (3)

Name	Part Number	Tool Type
SmartRF Flash Programmer	FLASH-PROGRAMMER	Flash Programming Tools
SmartRF Protocol Packet Sniffer	PACKET-SNIFFER	Calculation Tools
SmartRF Studio	SMARTRFM-STUDIO	Calculation Tools

Design Kits & Evaluation Modules (10)

Name	Part Number	Tool Type
CC1110 and CC1111 Development Kit	CC1110-CC1111DK	Evaluation Modules & Boards
CC1110 Mini Development Kit 868/915 MHz	CC1110DK-MINI-868	Development Kits
CC2510 Mini Development Kit	CC2510DK-MINI	Development Kits
CC2510/CC2511 Development Kit	CC2510-CC2511DK	Development Kits
CC2530 Development Kit	CC2530DK	Development Kits
CC2530 ZigBee Development Kit	CC2530ZDK	Development Kits
CC2533 Development Kit	CC2533DK	Development Kits
CC2533 RF4CE Development Kit	CC2533DK-RF4CE-BA	Development Kits
CC2540 Development Kit	CC2540DK	Development Kits
CC2540 Mini Development Kit	CC2540DK-MINI	Development Kits

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TI Devices (14)

Part Number	Name	Product Family
CC1110-CC1111	Sub-1 GHz wireless MCU with up to 32 kB Flash memory	Wireless MCUs
CC2430	System-on-Chip Solution for 2.4 GHz IEEE 802.15.4 / ZigBee™	Wireless Connectivity
CC2431	System-on-Chip (SoC) Solution for ZigBee/IEEE 802.15.4 Wireless Sensor Network	Wireless Connectivity
CC2510	2.4-GHz Radio Transceiver, 8051 MCU, and 16KB or 32 KB Memory	Wireless Connectivity
CC2511	2.4 GHz Radio Transceiver, 8051 MCU, 16KB or 32KB Flash memory and full-speed USB interface	Wireless Connectivity
CC2530	Second Generation System-on-Chip Solution for 2.4 GHz IEEE 802.15.4 / RF4CE / ZigBee	SimpleLink Solutions
CC2531	System-on-Chip Solution for IEEE 802.15.4 and ZigBee Applications	Wireless MCUs
CC2533	A True System-on-Chip Solution for 2.4-GHz IEEE 802.15.4 and ZigBee Applications	Wireless Connectivity
CC2540	SimpleLink Bluetooth Smart Wireless MCU with USB	Wireless Connectivity
CC2540T	SimpleLink High Temperature Bluetooth Smart Wireless MCU	Wireless Connectivity

Part Number	Name	Product Family
CC2541	SimpleLink Bluetooth Smart and Proprietary Wireless MCU	Wireless Connectivity
CC2543	2.4GHz RF Value Line SoC with 32kB flash, 16 GPIO, I2C, SPI and UART	Wireless Connectivity
CC2544	2.4GHz RF Value Line SoC with 32kB flash, USB, SPI and UART	Wireless Connectivity
CC2545	2.4GHz RF Value Line SoC with 32kB flash, 31 GPIO, I2C, SPI and UART	Wireless Connectivity

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Training & events

Name	Type	Available During
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand

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- [debugger](#) (1)
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