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EVAL-ADUC845

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# EVAL-ADUC845

ADuC845 QuickStart and QuickStart Plus Development

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## Applicable Parts

- [ADUC845](#)

## Product Details

Development systems for the evaluation of the [ADuC845](#) Precision Analog Microcontroller with 10-Channel 24-Bit ADC + 12 MIPS Flash MCU.

The QuickStart Kits for the ADuC8x-series (8052-core) Precision Analog Microcontrollers feature serial-port download/debug capability and an assembly-source debugging environment.

ADI also provides a non-intrusive emulation POD called the [USB-EA-CONVZ](#) allowing assembly & C-source debugging. The QuickStart Plus includes the POD (USB-EA-CONVZ) or it can be ordered separately.

## Documentation



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1 User Guides

3 Evaluation Documentation

3 Application Notes

### UG-041: ADuC8xx Evaluation Kit Getting Started User Guide

PDF

679 kB

### MicroConverter Development Tools

Development Tools details on all tools available for all Precision Analog Microcontrollers

### MicroConverter® On-Chip Download/Debug Kernel

At the heart of the MicroConverter tool suite is a Download/Debug Kernel embedded onto each chip that allows a "back door" interface to the microcontroller core and Flash/EE

program and data space. This is what makes many of the unique MicroConverter development tools possible.

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## ADuC845 Evaluation Tools

[Schematic and Board Outline](#) **PDF**

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### AN-1139: Understanding the Parallel Programming Protocol (Rev. 0)

**PDF**

174 kB

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### AN-1074: Understanding the Serial Download Protocol (Formerly uC004) (Rev. 0)

**PDF**

245 kB

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### UC-006: A 4-wire UART-to-PC Interface

**PDF**

[uC006 Gerber File \(1\)](#) **ZIP**

157.71 K

[uC006 Files](#) **ZIP**

[uC006 Gerber Files \(2\)](#) **ZIP**

## Software

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1 Code Examples

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## ADuC845 Code Examples

### Assembler Code

### C Code

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#### IAR EW51

IAR EW51 4kByte limited evaluation version is included in specified kits. Tools provide IDE, C Compiler, ARM7TDMI core Simulator & Debugger

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#### Keil $\mu$ Vision MDK51

Keil  $\mu$ Vision MDK51 2kByte limited evaluation version is included in specified kits. Tools provide IDE, C Compiler, ARM7TDMI core Simulator & Debugger.

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### WSD V7.05 - ADUC8XX in-circuit serial programming tool.

**ZIP**

1.67 M

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### WASP-Analog Analysis Routine V6.04

**ZIP**

Windows-based ADC performance analysis software, facilitates flexible ADC performance analysis without requiring firmware development. (exe)

3.86 M

## Related Hardware

Buy



### Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	Price	RoHS
EVAL-ADUC845QSPZ Production	ADuC845 Quickstart Plus development system		Yes
EVAL-ADUC845QSZ Production	ADuC845 Quickstart development system		Yes
EVAL-ADUC-CABLE1Z Production	UART Serial Downloader Cable		Yes
USB-EA-CONVZ Production	USB-EA Emulator		Yes

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Problem Solvers

4,700+

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Customers

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Years

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See the Innovations

Analog Devices. Dedicated to solving the toughest engineering challenges.

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