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EVAL-ADUC845 EVAL-ADUC845





EVAL-ADUC845

ADuC845 QuickStart and QuickStart Plus Development







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.



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.

ADuC845 Evaluation Tools

Schematic and Board Outline PDF

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

PDF

174 kB

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

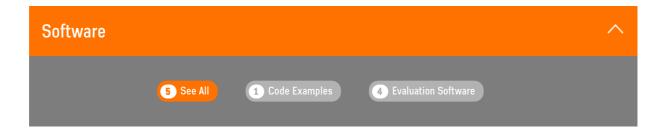
PDF 245 kB

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

PDF

157.71 K

uC006 Gerber File (1) ZIP uC006 Files ZIP uC006 Gerber Files (2) ZIP



ADuC845 Code Examples

Assembler Code

C Code

IAR EW51

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

Keil µVision MDK51

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

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

ZIP

1.67 M

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

USB-EA-CONVZ

USB-EA-CONVZ

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

Pricing displayed is based on 1-piece. The

4,700+ **Problem Solvers** Patents Worldwide

125,000

50+

Analog Devices. Dedicated to solving the toughest engineering challenges.

Ahead of What's Possible

ADI enables our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. We collaborate with our customers to accelerate the pace of innovation and create breakthrough solutions that are ahead of what's possible.

See the Innovations

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