



8051 Microcontroller Kits

AT89STK-06 Starter Kit

The AT89STK-06 Starter Kit is dedicated to the T89C51CC01/CC02 and AT89C51CC03 CAN microcontrollers. The AT89STK-06 can also be used for AT89C51AC3, T89C51AC2 and T89C5115 (Flash microcontroller with ADC).

For T89C51CC02 CAN and T89C5115, optional adaptor is required: CANADAPT28. The board is designed to allow an easy evaluation of the product using demonstration software.

AT89STK-06-ND Starter Kit..... \$131.67

ATWEBEVK-01 Evaluation Kit

The @Web Evaluation Kit allows the user to evaluate the full range of options available in integrating TCP/IP software into Atmel C51 Flash MCUs. Once the user has completed the demo he will be able to Read and Write information to and from the Flash memory of the microcontroller through the Internet.

Moreover, the user will see how all of the information recorded on the microcontroller is available using standard PC tools such as a Web browser, Hypertextual, and Dial-up Networking.

Kit Includes:

- Evaluation Board with T89C51AC2 Controller • External speaker • Serial RS-232 Null Modem Cable • 9V battery and cable • CD-ROM including documentation and software

ATWEBEVK-01-ND \$266.00

AT89C5131 MCU/USB Starter Kit

This starter kit is designed to help developers using AT89C5131 USB Flash microcontroller. The kit comprises an evaluation board, the In-System Programming Tool (FLIP), and a HID (Human Interface Device) keyboard demonstration program.

AT89STK-05-ND Starter Kit for AT89C5131..... \$131.67

AT89STK-10 Quick Start

This kit includes an evaluation board dedicated to the AT89C5130/31A and AT8x5122D microcontrollers, enabling you to run an application based on the Mass Storage Package.

Kit Includes:

- Flash Evaluation Board • Nand Flash memory • DataFlash Card • USB products CD-ROM

AT89STK-10-ND..... \$150.00

AT89STK-11 Starter Kit

The AT89STK-11 Starter Kit is dedicated to the In-System Programmable Flash C51 microcontrollers. The board is designed to allow an easy evaluation of the product using demonstration software.

AT89STK-11-ND — RoHS Compliant..... \$150.00

ATOCD51 Emulator System

The AT890CD emulator system is designed to allow an easy connection to Atmel AT8x51 microcontrollers and uses the USB interface (standard USB B plug to A plug cable) connection to PC platforms. The Software package is fully integrated into Keil® µvision IDE.

AT890CD-01-ND — RoHS Compliant..... \$150.00



@Web Hardwired TCP/IP Ethernet Solutions

@Web LAN51H Development Kit

The @Web LAN51H Development Kit is designed for testing high-speed Internet connectivity with Atmel 80C51 Flash MCU and the WiZnet i2Chip®, a unique hardwired embedded Ethernet TCP/IP chip.

The customer can change functions and reload firmware using In-System Programming capability. Error messages can be displayed on the LCD screen, allowing easy debug of user's application. After evaluation, the drop-in network module (IIM7010) supplied in the kit can be re-used.

ATWEBDVK-02-ND \$266.00

Gateway Modules

ATWEBEVK-05-ND RS232 to Ethernet Evaluation Board..... \$190.27

ATWEBEVK-06-ND Can to Ethernet Evaluation Board..... \$239.40



89C51SND1 MP3 Player Emulator

The AT89EMK-01 Development System for Atmel 89C51SND1 Microcontrollers derivatives with 6/12 clocks/cycle is very effective in meeting the diverse demands of emulation operations.

Features:

- Emulates 89C51SND1 Derivatives with 6/12 Clocks/Cycle • 62K Code Memory • Real-Time Emulation • Frequency up to 20MHz/3V • ISP and X2 Mode Support • MS-Windows Debugger for C and Assembler • Keil µVision2 Debugger Compatible • QFP and PLCC Emulation Headers • ISP Programmer Included • Serially Linked to PC at 115Kbaud

AT89EMK-01-ND Emulator for MP3 SND1 MCU..... \$1531.01



Smart Card Development Kits

AT89RFD-02: The USB Smart Card Reader reference design allows to quickly read and write any kind of smart card through a USB link. It is based on a single-chip turnkey solution which combines the Atmel AT83C220K/AT83C230K microcontrollers and OMNIKEY® Firmware (smart@key and smart@link).

AT89RFD-05: The Serial Smart Card Reader reference design allows to quickly read and write any kind of smart card through a serial link. It is based on a single-chip ready-to-use solution which combines Atmel AT83C21GC microcontroller with Gemplus GemCore® Serial Lite Pro Software.

AT89RFD-06: The PCMCIA Smart Card Reader reference design allows to quickly read and write any kind of smart card through a PCMCIA link. It is based on a single-chip turnkey solution which combines the Atmel AT83C250K microcontroller and OMNIKEY smart@bus Firmware.

AT89RFD-02-ND AT83C220K/230K Reference Design..... \$250.00

AT89RFD-05-ND AT83C21GC Reference Design..... \$250.00

AT89RFD-06-ND PCMCIA Reader Reference Design..... \$250.00

AT8x5122/23 Smart Card Reader Starter Kit

The Evaluation Board included in AT89STK-03 Starter Kit dedicated to the AT8x5122/23 Smart Card Reader microcontrollers. This board is designed to allow an easy evaluation of the product using demonstration software.

Features:

- Possibility to choose between three packages: PLCC 68-pin package, VQFP 64-pin package, PLCC 28-pin package • On-board power supply circuitry with low drop regulator: From an external power connector, an external battery, and the USB line via the USB on-board connector • ISO7816 connector for Smart Card

AT89STK-03-ND Starter Kit for MCU AT8x5122/23..... \$250.00

Smart Card Starter Kit for T89C5121

The T8x5121 Starter Kit includes a demonstration board (DemoB 1.2.0) allowing the evaluation of the T8x5121 microcontrollers. Designers can either run the demonstration program or their own application. The demonstration board supports communication through RS-232 serial communication mode. The board can also be used as a programmer for the T89C5121 product.

T89C5121-SK1-ND Smart Card Starter Kit..... \$430.00

AT89STK-09 Evaluation Board for AT83C26 Smart Card Reader IC

The AT89STK09 is a starter kit for the AT83C26 device. The AT83C26 is a smart card reader interface with 2 DC/DC converters allowing to manage up to 5 smart cards including level shifters. This device needs TWI commands to configure its registers. This device requires a host microcontroller with one or two ISO7816 Smart Card Interfaces.

Features:

- AT89STK09 board with 2 ISO7816-3 connectors and 4 SIM/SAM connectors • 2 Gemplus GemClub Smart cards • Smart Card Reader IC CD-ROM • 2 VQFP48 and 2 QFN48 samples • AT89STK09 user guide document

AT89STK-09-ND..... \$250.00



@Web Hardwired TCP/IP Ethernet Solutions

@Web LAN51H Development Kit

The @Web LAN51H Development Kit is designed for testing high-speed Internet connectivity with Atmel 80C51 Flash MCU and the WiZnet i2Chip®, a unique hardwired embedded Ethernet TCP/IP chip.

The customer can change functions and reload firmware using In-System Programming capability. Error messages can be displayed on the LCD screen, allowing easy debug of user's application. After evaluation, the drop-in network module (IIM7010) supplied in the kit can be re-used.

ATWEBDVK-02-ND \$266.00

Gateway Modules

ATWEBEVK-05-ND RS232 to Ethernet Evaluation Board..... \$190.27

ATWEBEVK-06-ND Can to Ethernet Evaluation Board..... \$239.40

@Web LAN51H Modules

Atmel provides @Web LAN51H Development Kits with additional modules directly connected to the @Web LAN51H development board. These additional modules can run the functions of either a Remote Power On-off Control, or Voice Transmission (VoIP), or Network Web Camera.

Remote Controller Features:

- On-off Control Function Using Web Server • LED On-off Control and Text LCD Display Using Web Browser 3 x 110V - 220V Relay Switches

Voice Transmission (VoIP) Features:

- Full-duplex Voice Transmission through Internet • Supports G723.1 Standard True Speech Voice Codec • Normal Microphone Input and Speaker Output • Audio DAC (MC745483) and DSP (CT8022A) • Included Loudspeaker Connector

Network WebCam Features:

- Four-channel Cmos Web Camera with Standard JPEG Coding • Video Coding: Hardware MFPEG Codec (LC82210 from Sanyo) • Video Mode: VGA, CIF, QCIF • CMOS Sensor: 1/3" Color CMOS Image Sensor (OV7620 from OmniVision), Maximum Frame Rate: 3fps with Standard C51

ATWEBDVK-02RC-ND LAN51H and Remote Controller Kit..... \$465.50

ATWEBDVK-02VOIP-NDLAN51H and Voice Transmission Kit..... \$665.00

ATWEBDVK-02WC-ND LAN51H and Network WebCam Kit..... \$931.00

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

(T083) 609