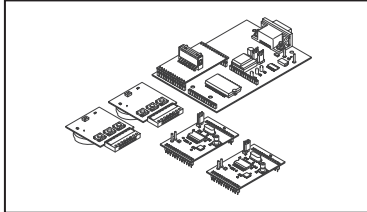




Wireless Communications

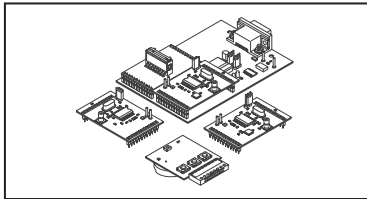
TMEBX741D Kit includes:

- Antenna • 1 - Antenna Cable • 2-BNC Adapters • 1-25 to 9 Pin Parallel to Serial Cable • 1 - 25 to 9 Pin Adapter • 2 - Coin Cells • 1 - Guide/Data Book • 3 - Floppys - Software



TMEBX745B Kit includes:

- Antenna • 1 - Antenna Cable • 2-BNC Adapters • 1-25 to 9 Pin Parallel to Serial Cable • 1 - 25 to 9 Pin Adapter • 2 - Coin Cells • 1 - Guide/Data Book • 3 - CDs - Software



Description	Package	Digi-Key Part No.	Price Each			Tape & Reel ‡	
			1	25	100	Size	Pricing
UHF ASK/FSK Transmitter, 2.0V to 4.0V, 868MHz to 928MHz	8-TSSOP	T5750-6A0CT-ND	3.40	2.85	2.37	5,000	2100.52/M
UHF ASK/FSK Transmitter, 2.0V to 4.0V, 310MHz to 330MHz	8-TSSOP	T5753-6A0CT-ND	2.87	2.41	2.01	1,000	1939.70
UHF ASK/FSK Transmitter, 2.0V to 4.0V, 429MHz to 439MHz	8-TSSOP	T5754-6A0CT-ND	2.87	2.41	2.01	5,000	1939.71/M
UHF ASK/FSK Receiver, 5V to 20V, 902MHz to 928MHz	20-SOIC	T5761-TGS-ND	6.20	5.20	4.34	—	—
UHF ASK/FSK Receiver, 5V to 20V, 300MHz to 450MHz for ASK or FSK	20-SOIC	T5743P6-TGS-ND	6.39	5.36	4.47	—	—
UHF ASK Receiver, 4.5V to 5.5V, 300MHz to 450MHz	20-SSOP	T5744N-TK-ND	4.50	3.77	3.14	—	—
Read/Write Base Station, 5V, 125KHz	16-SOIC	U2270B-MFP-ND	3.86	3.23	2.69	—	—
UHF ASK Transmitter, 2.2V to 4.0V, 310MHz to 440MHz	16-SSOP	U2745B-MFB-ND	2.60	2.18	1.82	—	—
UHF ASK/FSK Transmitter, 2.0V to 5.5V, 300MHz to 450MHz	16-SSOP	U2741B-NFB-ND	3.22	2.69	2.25	—	—
2.5GHz WDECT/ISM Single-Chip Transceiver, 3V to 4.6V	48-MLF	T2803-PLHCT-ND	22.95	19.22	16.01	4,000	15476.36/M
2.5GHz WDECT/ISM Single-Chip Transceiver, 3V to 4.6V	48-MLF	T2802-PLHCT-ND	22.95	19.22	16.01	4,000	15476.36/M
2.5GHz Double-Balanced Mixer, 2.7V to 5.5V	8-SOIC	U2795B-MFP-ND	3.98	3.33	2.78	—	—
2GHz Single-Balanced Mixer, 2.7V to 5.5V	8-SOIC	U2796B-MFP-ND	3.98	3.33	2.78	—	—
1000MHz Quadrature Modulator, 5V	20-SSOP	U2794B-MFS-ND	11.94	10.00	8.33	—	—
1000MHz Quadrature Modulator, 5V	16-SOIC	U2790B-MFP-ND	11.94	10.00	8.33	—	—
300MHz Quadrature Modulator, 5V	20-SSOP	U2793B-MFS-ND	11.94	10.00	8.33	—	—
ISM 2.4GHz Front End IC, DECT	20-MLF	T7026-PGH-ND	7.66	6.41	5.34	—	—
ISM/Bluetooth™ 2.4GHz Power Amplifier, 3V	20-MLF	T7023-PEQ-ND	5.51	4.62	3.85	—	—
Bluetooth™/ISM 2.4GHz Front End IC, 3V	20-MLF	T7024-PGS-ND	5.21	4.36	3.63	—	—
Universal Usable RF Power Amplifier, 135MHz to 900MHz, 3.5V	28-PSSOP	T0905-TSQCT-ND	13.78	11.53	9.61	4,000	9285.82/M
1700MHz to 2300MHz High Linearity SiGe Active Receiver Mixer, 5V	16-TSSOP	T0781-6CPCT-ND	11.63	9.74	8.12	1,000	7841.35
Receivers for CDMA/PCS/DCS/UMTS Base Stations	16-TSSOP	T0797-6CPCT-ND	14.69	12.30	10.25	1,000	9904.87
65MHz to 300MHz SiGe IF Receiver/Demodulator	16-TSSOP	T0780-6CPCT-ND	11.63	9.74	8.12	1,000	7841.35
800MHz to 1000MHz High Linearity SiGe Active Receiver Mixer, 5V	16-TSSOP	T0790-6CPCT-ND	11.63	9.74	8.12	1,000	7841.35
Transceivers for Base Stations	16-TSSOP	T0790-6CPCT-ND	16.84	14.09	11.75	1,000	11349.33
800MHz to 2500MHz Direct Quadrature Modulator, 5V	16-TSSOP	T0790-6CPCT-ND	16.84	14.09	11.75	1,000	11349.33
Kits							
Demo Kit for U37418M/U2741B.....		TMEBX741D-ND	1301.27	—	—	—	—
Demo Kit for U37458M/U2745B.....		TMEBX745B-ND	1182.96	—	—	—	—

‡ For Tape & Reel part number change CT-ND to TR-ND.



8051 Microcontroller Kits

FLASH-EMULATOR1

Atmel and Ceibo jointly provide a complete development tool, called Flash Emulator Kit that supports Atmel T89C51RD2 at any frequencies allowed by the device. Two working modes are available: Real-time emulation and Simulation. **Kit includes:** • Windows software with source level debugger • On-line assembler and disassembler • RS-232 cable and 100V to 250V power supply • Flat cables for prototyping with DB-51RD2 • Options: QFP and DIP adapters

The Hardware Kit consists of three parts:

FE-51RD2 Emulator Features: • 60K of code memory • Frequency up to 20MHz/3V, 33MHz/5V • X2 mode support • Real-time emulation and simulator • MS windows debugger for C language and assembler • Ready for the KEIL simulation environment • PLCC44 emulation headers and signal test points • RS-232 interface up to 115Kbaud

DB-51RD2 Development Board: • DIP40 and PLCC44 sockets • Test points for Port Lines • In-system Programming (ISP) connector • Oscillator options: integrated oscillator/2-pin crystal with capacitor

MP-51RD2 ISP Microcontroller Programmer: • RS-232 connector • 10-pin ribbon cable for ISP

FLASH-EMULATOR1-ND \$548.89

CAN-DEMOBOARD1 and CANADAPT28

The T89C51CC01 demo-kit is a standalone application board to easily evaluate the T89C51CC01 device. Designers can use the T89C51CC01 UART connected to a PC serial port, or the CAN bus interface connected either to a CAN board plugged into a PC or a parallel port dongle able to recreate a CAN line. It is also possible to link this kit to an existing CAN High Speed network to initiate or receive CAN messages.

Kit includes: • User's manual • CANary™ CDROM, containing a full set of documentation and associated software

C51 Generic Demoboard Features: • LCD display (2 lines of 16 characters) • Eight LED bargraph • Socket for 128KB Flash memory (2 x 64KB memory page) • Three different sockets: PLCC44, PLCC68 and DIL24 (for standard C51) • In-system Programming (ISP) capability to download HEX files into the 128KB flash • Hardware switch to activate the C51 Flash boot loader after reset • RS-232 connector • Extension connectors • On-board regulator (9V external supply)

CAN Extension Board Features: • On-board CAN transceiver in SO8 package. DIP8 socket also available for other types of CAN drivers • D-sub connectors conforms to CIA ("CAN In Automation") recommendation for CAN High Speed Bus • ADC reference voltage inputs: VAGND and VAREF • Capability to activate T89C51CC01 boot loader to perform ISP of Flash and/or EEPROM using either UART or CAN connectors

CAN-DEMOBOARD1-ND \$187.38

CANADAPT28-ND 44 PLCC to 28 PLCC Adapter \$94.64

ATWBEVK-01

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, Hypertext, 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

ATWBEVK-01-ND \$376.66

MP3 Player

Atmel's solution for MP3 Player provides the best compromise between power consumption, cost and functionality. It consists of fully integrated standalone hard-wired MPEG/II Layer-3 decoder with C51 microcontroller core handling dataflow control and MP3-player control.

Description: The AT89C51SND1 Development Kit includes a development board that has been designed to demonstrate the AT89C51SND1 capability to support the following features: • MP3 song playing • Voice recording/playing • MultiMedia Card with FAT16 • USB mass storage • USB firmware upgrade • Serial DataFlash Storage Memory • A free full-featured 30-day Jungo WinDriver evaluation CD

AT89RFD-01-ND AT89C51SND1 Reference Design \$301.70

AT89DVK-04-ND Board Demo MP3 Player \$996.18

Smart Card Starter Kit

Features: • Starter Kit Functions in Either: Standalone Mode With the On-chip EEPROM Program Memory (T89C5121 Product Version) or On-board EEPROM Program Memory • In-system Programmable (ISP) (Using Rom Bootloader to Download hex Files into Internal Memory) • Smart Card Connector • Simm Connector • 2 LEDs • On-board Voltage Regulator With Voltage Setting • Sockets: SSOP24, DIL24 for Package Adapter • RS-232 Serial Port • Interrupt (INT1) Input • Optional Manual Reset Switch • Data, Address and Control Lines are Conveniently Brought Out On Connectors • Prototyping Area

Description: The T8x5121 Starter Kit includes a demonstration board allowing the evaluation of the T8x5121 Microcontroller. 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 \$187.85



@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 \$382.82

Gateway Modules

ATWEBSEQ-32-ND For RS232 to Ethernet Gateway Module \$49.81

ATWBEVK-05-ND RS232 to Ethernet Evaluation Board \$268.97

@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 \$539.36

ATWEBDVK-02VOIP-ND LAN51H and Voice Transmission Kit \$895.14

ATWEBDVK-02WC-ND LAN51H and Network WebCam Features Kit \$1279.38

All prices in Canadian dollars and include duty and brokerage fees.

1-800-344-4539 • ca.digikey.com • 218-681-6674 • Fax: 218-681-3380

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