

ATMEL AVR® 8-Bit RISC Microcontrollers (Cont.)

ATSTK500 Starter Kit

The ATSTK500 is a starter kit and development system for Atmel's AVR flash microcontrollers. The ATSTK500 gives designers a quick start to develop code on the AVR combined with features for using the starter kit to develop prototypes and test new designs. The ATSTK500 interfaces with AVR Studio®, Atmel's Integrated Development Environment (IDE) for code writing and debugging.

ATSTK500-ND \$79.00

Description	Digi-Key Part No.	Price Each
Module for STK501	ATSTK501-ND	79.00
Module for STK502	ATSTK502-ND	99.00
Module for STK503	ATSTK503-ND	119.00
Module for STK504	ATSTK504-ND	119.00
Module for STK505	ATSTK505-ND	79.00
Module for STK520	ATSTK520-ND	83.79
CAN Extension for STK500/501	ATADAPCAN01-ND	19.00
Starter Kit for AT90USB	ATSTK525-ND	211.47
Starter Kit for AT90USB82/162	ATSTK526-ND	211.47
Extension Board Kit for STK525	ATEVK525-ND NEW!	159.60

Emulator

Description	Digi-Key Part No.	Price Each
JTAGICE Emulator for AVR® 2/OCD	ATJTAGICE2-ND	299.00
Probe JTAGICE with Flex Cables	ATJTAGPROBE-ND	39.00

NEW! BC100 Development Kit

The BC100 is a reference design/development kit that targets battery charging. The kit can be used to charge various battery types, as long as the requirements to charging voltage and currents are within the output range that the kit offers (1.2V - 38V, 5A Max.)

The kit can be used to develop applications such as battery chargers, battery backup, un-interruptible power supply and switch mode power supply.

ATAVRBC100-ND \$105.07

Evaluation Kits

Description	Digi-Key Part No.	Price Each
Butterfly Evaluation Kit	ATAVRBFLY-ND	19.20
Evaluation Kit for AT90USB	AT90USBKEY-ND	31.92

USB Development Kits

Description	Digi-Key Part No.	Price Each
IC USB HUB Controller, 4-Port, 32-LQFP	AT43301-AU-ND◆	1.98
IC USB HUB Controller, 4-Port, 24-SOIC	AT43301-SU-ND◆	1.83
IC USB HUB Controller, 4 Port, 32-LQFP	AT43312A-AC-ND	2.02
IC USB Keyboard Controller Hub, 48-LQFP	AT43USB326-AU-ND◆	2.88
IC USB Keyboard Controller Hub, 64-LQFP	AT43USB325E-AU-ND◆	5.16
IC USB MCU W/H UB, ADC, PWM, 64-LQFP	AT43USB355E-AU-ND◆	6.36
USB Host/Function Development Kit for AT43USB380 OTG/Host FunctionProcessor	AT43DK380-PDC2-ND	1335.00
IC USB Processor, 64 LQFP	AT43USB380E-AU-ND◆	8.43
Development Kit for AT90CAN128 MCU	ATDVK90CAN1-ND◆	119.69

◆ RoHS Compliant

AVR® Dragon™

The AVR Dragon supports all programming modes for the AVR device family. The Dragon is also capable of full emulation support for devices with 32KB or less flash memory. Firmware for the device is easily upgraded using AVR Studio® to support new devices.

ATAVRDRAGON-ND \$49.00

AVR®32 32-Bit Microcontrollers

Features: • Core Power Supply Voltage: 1.65V - 1.95V • I/O Power Supply Voltage: 3.0V - 3.6V
• Operating Temperature: -40°C - 85°C

MIPS	SRAM (KBytes)	Flash (KBytes)	Cache (Inst/Data)	I/O Pins	USB	Ethernet MAC 10/100	Ext. Bus Interface	UART	Frequency Max. (MHz)	Package	Digi-Key Part No.	Price Each			
												1	25	100	
210	32	—	16KB/16KB	160	High-Speed	2	Yes	4	150	256-CTBGA	AT32AP7000-CTUT-ND	21.82	16.14	14.42	
	32	—	16KB/16KB	90	High-Speed	—	Yes	4	150	208-LQFP	AT32AP7001-ALUT-ND	19.14	10.89	10.68	
	32	—	16KB/16KB	85	High-Speed	—	Yes	4	150	196-CBGA	AT32AP7002-CTUT-ND	18.49	11.43	11.14	
80	32	128	—	109	Full-Speed + OTG	1	Yes	4	66	144-LQFP	AT32UC3A0128-ALUT-ND	13.65	10.16	7.74	
	32	128	—	69	Full-Speed + OTG	1	No	4	66	100-TQFP	AT32UC3A1128-AUT-ND	12.26	9.30	6.97	
	64	256	—	109	Full-Speed + OTG	1	Yes	4	66	144-LQFP	AT32UC3A0256-ALUT-ND	15.59	11.60	8.85	
	64	256	—	69	Full-Speed + OTG	1	No	4	66	100-TQFP	AT32UC3A1256-AUT-ND	14.30	10.64	8.11	
	64	512	—	109	Full-Speed + OTG	1	Yes	4	66	144-LQFP	AT32UC3A0512-ALUT-ND	20.00	14.42	11.40	
	64	512	—	69	Full-Speed + OTG	1	No	4	66	100-TQFP	AT32UC3A1512-AUT-ND	18.71	13.49	10.63	
72	16	64	—	44	Full-Speed + OTG	—	—	3	60	64-TQFP	AT32UC3B064-A2UT-ND	9.78	7.42	5.53	
	16	64	—	44	Full-Speed + OTG	—	—	3	60	64-QFN	AT32UC3B064-Z2UT-ND	9.78	7.42	5.53	
	16	64	—	28	Full-Speed	—	—	2	60	48-TQFP	AT32UC3B164-AUT-ND	9.03	6.85	5.10	
	16	64	—	28	Full-Speed	—	—	2	60	48-QFN	AT32UC3B164-Z1UT-ND	9.03	6.85	5.10	
	32	128	—	44	Full-Speed + OTG	—	—	3	60	64-TQFP	AT32UC3B0128-A2UT-ND	10.64	8.07	6.04	
	32	128	—	44	Full-Speed + OTG	—	—	—	3	60	64-QFN	AT32UC3B0128-Z2UT-ND	10.64	8.07	6.04
												AT32UC3B1128-AUT-ND	9.89	7.50	5.61
												AT32UC3B1128-Z1UT-ND	9.89	7.50	5.61
		256	—	44	Full-Speed + OTG	—	—	—	3	60	64-TQFP	AT32UC3B0256-A2UT-ND	12.26	9.30	6.97
												AT32UC3B0256-Z2UT-ND	12.26	9.30	6.97
												AT32UC3B1256-AUT-ND	11.50	8.73	6.55
		256	—	28	Full-Speed	—	—	—	2	60	48-QFN	AT32UC3B1256-Z1UT-ND	11.50	8.73	6.55
												AT32UC3B1256-AUT-ND	11.50	8.73	6.55
												AT32UC3B1256-Z1UT-ND	11.50	8.73	6.55

ATEVK1100 Evaluation Kit

The ATEVK1100 is an evaluation kit and development system for the AVR32 AT32UC3A microcontroller. It is equipped with a rich set of peripherals, memory, and makes it easy to try the full potential of the AVR32 devices.

ATEVK1100-ND \$129.00

ATEVK1101 Evaluation Kit

The ATEVK1101 is an evaluation kit and development system for the AVR32 AT32UC3B microcontroller. It is equipped with a rich set of peripherals, memory, and makes it easy to try the full potential of the AVR32 devices.

ATEVK1101-ND \$79.00

ATSTK1000 Starter Kit

The ATSTK1000 provides a complete AT32AP7000 development environment. The kit comes with a pre-installed Linux® image on a 256MB SD card.

The ATSTK1000 has options that will help in development such as, two ethernet ports, high quality QVGA LCD, a loudspeaker, PS/2, VGA, and an expansion header for prototyping.

ATSTK1000-ND \$532.00

ATNGW100 Network Gateway Kit

The ATNGW100 is an ideal development board for the AT32AP7000. The ATNGW100 has two Ethernet ports, SD and MMC card reader and connectors for USB and JTAG. The board is preloaded with Linux® and shipped with I/O interface drivers that can be called from your own code.

ATNGW100-ND \$94.43

NEW! ATSTK600 Starter Kit

The Atmel AVR® STK600 is a complete starter kit and development system for the AVR and AVR32 flash microcontrollers. It is designed to give designers a quick start to develop code on the AVR, combined with advanced features for using the starter kit to prototype and test new designs. The STK600 is shipped with a ATmega2560 device board.

ATSTK600-ND \$199.00

Description	Digi-Key Part No.	Price Each
NEW! ATSTK600 Socket and Adapter Boards NEW!		
Socket and Adapter Board, 40-PDIP Devices	ATSTK600-DIP40-ND	99.00
Socket and Adapter Board, 44-TQFP Devices	ATSTK600-TQFP44-ND	99.00
Socket and Adapter Board, 100-TQFP Devices	ATSTK600-TQFP100-ND	99.00
Socket and Adapter Board, TinyX3U Devices	ATSTK600-TINYX3U-ND	99.00
Socket and Adapter Board, TQFP32 Devices	ATSTK600-TQFP32-ND	99.00
Socket and Adapter Board, SOIC Devices	ATSTK600-SOIC-ND	99.00
Socket and Adapter Board, 64-TQFP Devices	ATSTK600-TQFP64-2-ND	99.00
Socket Board and Expansion Module, 144-TQFP Devices	ATSTK600-UC3A0X-144-ND	99.00

More Product Available Online: www.digkey.com

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