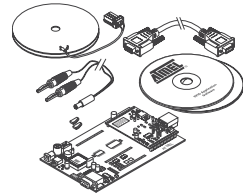


# ATMEL RFID Demo Kit

The RFID application kit is designed to present the key features of various RFID products from Atmel Wireless and Microcontrollers. The included software version **IDS 5** supports the following products: • U22708 on the reader side • TK5530/e5530 on the transponder side • 55517/55557 on the transponder side • TK5552 on the transponder side • TK5561/e5561 on the transponder side • U9280M on the transponder side **Kit Includes:** • Base Station Coil • Serial Cable • Demo Board • Sample Transponders



Description	EPROM (Bytes)	Digi-Key Part No.	Price Each		
			1	25	100
125kHz	224	TK5551M-PP-NDΔ	2.81	2.36	1.97
RFID Application Kit		ATA2270-EK1-ND◆	385.27	—	—

Δ Read/Write ◆ RoHS Compliant

## B Smart RF Devices



Description	Package	Digi-Key Part No.	Price Each			Tape and Reel	
			1	25	100	Qty.	Pricing
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3741P2-TGQYCT-ND†◆	5.89	4.93	4.38	2,000	3833.28/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3741P2-TGSY-ND◆	5.89	3.83	3.56	—	—
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3741P3-TGQYCT-ND†◆	5.89	4.93	4.38	2,000	3557.40/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3742P3-TGQYCT-ND†◆	6.34	5.31	4.72	2,000	3826.02/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 310 - 440MHz	20-SOIC	ATA3745P3-TGQYCT-ND†◆	4.60	3.86	3.43	2,000	2787.84/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 310 - 440MHz	20-SOIC	ATA3745P3-TGSY-ND◆	4.60	3.01	2.79	—	—
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 315MHz	48-QFN	ATA5423-PLQWCT-ND†	4.98	4.17	3.71	4,000	3005.64/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 345MHz	48-QFN	ATA5425-PLQWCT-ND†◆	4.98	4.17	3.71	4,000	3005.64/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 434MHz / 868MHz	48-QFN	ATA5428-PLQWCT-ND†◆	4.98	4.17	3.71	—	—
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 915MHz	48-QFN	ATA5429-PLQWCT-ND†◆	4.98	4.17	3.71	4,000	3005.64/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 434MHz / 868MHz	48-QFN	ATA5811-PLHCT-ND†	6.38	5.35	4.46	4,000	4305.91/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 315MHz	48-QFN	ATA5812-PLQCT-ND†	6.38	5.35	4.46	4,000	4305.91/M
Low-IF ISM Single-Chip Transceiver IC, 2.9 - 3.6V, 2.4GHz	32-QFN	ATR2406-PNQG 86CT-ND†◆	2.78	2.07	1.81	4,000	1938.42/M
WDECT/ISM Single-Chip Transceiver IC, 3 - 4.6V, 2.4GHz	48-QFN	T2803-PLHCT-ND†	11.71	9.81	8.17	—	—
Wireless Data Micro Transmitter, 315MHz	20-TSSOP	AT86RF401U-6GS-ND	2.28	1.91	1.59	—	—
SiGe IF Receiver/Demodulator, 65 - 300MHz	16-TSSOP	T0797-6CPCCT-ND†	7.49	6.28	5.23	1,000	5052.96
SiGe IF Receiver/Demodulator, 65 - 300MHz	16-TSSOP	ATRO797-6CPCCT-ND†◆	6.72	5.62	4.69	1,000	4526.61
SiGi Universal Usable RF Power Amplifier, 3.5V, 135 - 900MHz	28-PSSOP	T0905-TSPHCT-ND†	7.03	5.89	4.91	1,000	4737.15
High Linearity SiGe Active Receiver Mixer, 5V, 800 - 1000MHz	16-TSSOP	T0780-6CPCCT-ND†	8.94	7.49	6.24	1,000	6026.53
Transceiver Base Station Board for ATA5423, 315MHz	—	ATAB5423-3-WB-ND◆	143.87	—	—	—	—
Transceiver Base Station Board for ATA5425, 345MHz	—	ATAB5425-3-WB-ND◆	143.87	—	—	—	—
Transceiver Base Station Board for ATA5428, 434MHz	—	ATAB5428-4-WB-ND◆	143.87	—	—	—	—
Transceiver Base Station Board for ATA5428, 868MHz	—	ATAB5428-8-WB-ND◆	143.87	—	—	—	—
Transceiver Base Station Board for ATA5429, 915MHz	—	ATAB5429-9-WB-ND◆	143.87	—	—	—	—
Reference Design for T5753, 315MHz	—	ATAB5753-ND	216.97	—	—	—	—
Reference Design for T5754, 434MHz	—	ATAB5754-ND	216.97	—	—	—	—
Reference Design for T5750, 868MHz	—	ATAB5750-8-ND	216.97	—	—	—	—
Reference Design for T5750, 915MHz	—	ATAB5750-9-ND	216.97	—	—	—	—
PC-Controlled Application Board for U6815M or T6816 with Dual Hex DMOS Output Driver	—	ATAB6816-ND◆	134.22	—	—	—	—
PC-Controlled Application Board for T6817 with Dual Triple DMOS Output Driver	—	ATAB6817-ND◆	134.22	—	—	—	—
PC-Controlled Application Board for T6818 with Triple Half-Bridge DMOS Driver	—	ATAB6818-ND◆	134.22	—	—	—	—
PC-Controlled Application Board for T6819 with Triple Half-Bridge DMOS Driver with PWM Function	—	ATAB6819-ND◆	134.22	—	—	—	—
RF-Module Development Board for ATR2406	—	ATR2406-DEV-BOARD-ND	304.38	—	—	—	—
Long Range RF-Module Development Board for ATR2406 / ATmega88	—	ATR2406-DEV-BOARD2-ND	304.38	—	—	—	—
Starter Kit for STK500, 315MHz	—	ATAKSTK511-3-ND	471.39	—	—	—	—
Starter Kit for STK500, 868MHz	—	ATAKSTK511-8-ND	466.71	—	—	—	—
Starter Kit for STK500, 915MHz	—	ATAKSTK511-9-ND	466.71	—	—	—	—
RAC Unidirectional Kit, 315MHz	—	ATAKSTK512-3-ND◆	239.58	—	—	—	—
RAC Unidirectional Kit, 434MHz	—	ATAKSTK512-4-ND◆	239.58	—	—	—	—
Evaluation Kit with ATR2406 and ATmega88 Boards	—	ATR2406-DEV-KIT2-ND	780.45	—	—	—	—
RF Design Kit, 868MHz	—	ATAK5750-60-N-ND	616.56	—	—	—	—
RF Design Kit, 915MHz	—	ATAK5750-61-N-ND	616.56	—	—	—	—
RF Design Kit T5754, 434MHz, 600kHz Bandwidth, with SAW Filter	—	ATAK5754-43P6-S-ND	616.56	—	—	—	—
Development Kit for AT5744U (USA)	—	ATAK4015744U-ND	546.32	—	—	—	—
Development Kit for AT86RF401U	—	AT86RF401U-EK1-ND	232.57	—	—	—	—
GPS-LNA Demoboard for Performance Evaluation	—	ATRO610-EK1-ND◆	193.12	—	—	—	—
Starter Kit for ATmega32M1 and ATmega32C1	—	ATSTK524-ND◆	58.81	—	—	—	—

† For Tape and Reel part number, change CT-ND to TR-ND. † Cut Tape ◆ RoHS Compliant

## AVR® Z-Link™ ZigBee™



AVR Z-Link provides an industry-leading 2.4GHz transceiver bundled with an 8-Bit RISC microcontroller (ATMEGA).

The AT86RF230 radio gives you the highest link budget of any 802.15.4 radio on the market today.

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Description	Package	Digi-Key Part No.	Price Each		
			1	25	100
MCU ATMEGA644 / AT86RF230	44-TQFP	ATMEGA644RZAV-10AU-ND	8.33	6.17	5.51
	44-QFN	ATMEGA644RZAV-10MU-ND	8.33	6.17	5.51
	40-DIP	ATMEGA644RZAV-10PU-ND	8.33	6.17	5.51
MCU ATMEGA644P / AT86RF230	44-TQFP	ATMEGA644RZAVP-10AU-ND	5.23	—	—
	44-QFN	ATMEGA644RZAVP-10MU-ND	5.23	—	—
MCU ATMEGA1281 / AT86RF230	64-TQFP	ATMEGA128RZAV-8AU-ND	11.52	8.93	7.61
	64-QFN	ATMEGA128RZAV-8MU-ND	11.52	8.58	7.61
MCU ATMEGA1280 / AT86RF230	100-TQFP	ATMEGA128RZBV-8AU-ND	12.24	9.28	8.09
	100-TQFP	ATMEGA128RZBV-8CU-ND	8.79	—	—
MCU ATMEGA2561 / AT86RF230	64-TQFP	ATMEGA256RZAV-8AU-ND	14.28	10.57	9.44
	64-QFN	ATMEGA256RZAV-8MU-ND	14.28	10.57	9.44
MCU ATMEGA2560 / AT86RF230	100-TQFP	ATMEGA256RZBV-8AU-ND	15.27	11.29	10.09
	100-TQFP	ATMEGA256RZBV-8CU-ND	9.58	—	—
Low-Power 2.4GHz Transceiver	32-QFN	AT86RF230-ZU-ND	4.33	3.02	2.52

## ATAVRRZUSBSTICK



The AVR RZUSBSTICK consists of one USB stick with a 2.4GHz transceiver and USB connection to your PC. The AT86RF230 transceivers high sensitivity gives the longest range for wireless products while the AT90USB1287 incorporates fast USB On-The-Go.

ATAVRRZUSBSTICK-ND ..... 28.31

## ATAVRRZ541 Packet Sniffer Kit

The RZ541 Packet Sniffer Kit is the ideal platform for analyzing 802.15.4/ZigBee™ wireless networks.

Included is the basic edition of the Sensor Network Analyzer software from Daintree Networks which enables visualization, measurement and analysis of large networks.

ATAVRRZ541-ND ..... 166.25

## ATAVRRZ201 Controller Boards and Software Kit

The kit contains five 2.4GHz 802.15.4 compliant and ZigBee compatible Radio-Controller Boards equipped with ATmega1281 microcontroller and AT86RF230 transceiver. By offering additional PCB's, the RZ201 kit complements the RZ200 kit, enabling demonstration of larger wireless networks based on 802.15.4/ZigBee™.

ATAVRRZ201-ND ..... 166.25

## ATAVRRZRAVEN 2.4GHz Evaluation Kit

The RZ RAVEN 2.4GHz Evaluation and Starter Kit enables development, debugging and demonstration of a wide range of low power wireless applications including IEEE 802.15.4™, 6LoWPAN and ZigBee™ networks. The RZ RAVEN kit comprises two AVR Raven boards (AVRRAVEN) with 2.4GHz transceiver, on board picoPower™ AVR application processors and LCD display, and one USB stick (AVRRZUSBSTICK) with a 2.4GHz transceiver for USB connection to your PC.

ATAVRRZRAVEN-ND ..... 71.87

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