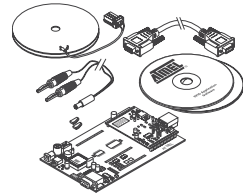


ATMEL RFID Demo Kit

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 • 5551/T5557 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	3.87	3.24	2.70
RFID Application Kit.....		ATA2270-EK1-ND◆	530.67	—	—

Δ Read/Write ◆ RoHS Compliant

B

Smart RF Devices

Digi-Reel®

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-TGOYCT-ND◆	8.11	6.79	6.04	2,000	4920.00/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3741P2-TGSY-ND◆	8.11	5.27	4.90	—	—
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3741P3-TGOYCT-ND◆	8.11	6.79	6.04	2,000	4900.00/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 300 - 450MHz	20-SOIC	ATA3742P3-TGOYCT-ND◆	8.73	7.31	6.50	2,000	5270.00/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 310 - 440MHz	20-SOIC	ATA3745P3-TGOYCT-ND◆	6.34	5.31	4.72	2,000	3840.00/M
UHF ASK/FSK Receiver IC, 4.5 - 5.5V, 310 - 440MHz	20-SOIC	ATA3745P3-TGSY-ND◆	6.34	4.14	3.84	—	—
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 315MHz	48-QFN	ATA5423-PLQWCT-ND†	6.86	5.75	5.11	4,000	4140.00/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 345MHz	48-QFN	ATA5425-PLQWCT-ND†	6.86	5.75	5.11	4,000	4140.00/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 434MHz / 868MHz	48-QFN	ATA5428-PLQWCT-ND†	6.86	5.75	5.11	4,000	4140.00/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 915MHz	48-QFN	ATA5429-PLQWCT-ND†	6.86	5.75	5.11	4,000	4140.00/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 434MHz / 868MHz	48-QFN	ATA5811-PLHCCT-ND†	8.79	7.37	6.14	4,000	5931.00/M
UHF ASK/FSK Wideband Transceiver IC, 2.4 - 3.6V / 4.4 - 6.6V, 315MHz	48-QFN	ATA5812-PLQCT-ND†	8.79	7.37	6.14	4,000	5931.00/M
Low-IF ISM Single-Chip Transceiver IC, 2.9 - 3.6V, 2.4GHz	32-QFN	ATR2406-PNQG 86CT-ND†◆	3.83	2.85	2.50	4,000	2670.00/M
WDECT/ISM Single-Chip Transceiver IC, 3 - 4.6V, 2.4GHz	48-QFN	T2803-PLHCT-ND†	16.13	13.50	11.25	—	—
Low Power Transceiver for 802.15.4, ISM, and ZigBee™ Applications	32-QFN	AT86RF212-ZU-ND◆ NEW!	6.90	5.14	4.27	—	—
Low Power Transceiver for 802.15.4, ISM, and ZigBee™ Applications	32-QFN	AT86RF231-ZU-ND◆ NEW!	6.28	4.68	3.89	—	—
Wireless Data Micro Transmitter, 315MHz	20-TSSOP	AT86RF401U-6G5-ND	3.14	2.63	2.19	—	—
SiGe IF Receiver/Demodulator, 65 - 300MHz	16-TSSOP	T0797-6CPCT-ND†	10.32	8.64	7.20	1,000	6960.00
SiGe IF Receiver/Demodulator, 65 - 300MHz	16-TSSOP	AT0797-6CPCT-ND†◆	9.25	7.74	6.45	1,000	6235.00
SiGe Universal Usable RF Power Amplifier, 3.5V, 135 - 900MHz	28-PSSOP	T0905-TSPHCT-ND†	9.68	8.10	6.75	1,000	6525.00
High Linearity SiGe Active Receiver Mixer, 5V, 800 - 1000MHz	16-TSSOP	T0780-6CPCT-ND†	12.31	10.31	8.59	1,000	8301.00
Transceiver Base Station Board for ATA5423, 315MHz	—	ATB5423-3-WB-ND◆	198.17	—	—	—	—
Transceiver Base Station Board for ATA5425, 345MHz	—	ATB5425-3-WB-ND◆	198.17	—	—	—	—
Transceiver Base Station Board for ATA5428, 434MHz	—	ATB5428-4-WB-ND◆	198.17	—	—	—	—
Transceiver Base Station Board for ATA5428, 868MHz	—	ATB5428-8-WB-ND◆	198.17	—	—	—	—
Transceiver Base Station Board for ATA5429, 915MHz	—	ATB5429-9-WB-ND◆	198.17	—	—	—	—
Reference Design for T5753, 315MHz	—	ATB5753-ND	298.85	—	—	—	—
Reference Design for T5754, 434MHz	—	ATB5754-ND	298.85	—	—	—	—
Reference Design for T5750, 868MHz	—	ATB5750-8-ND	298.85	—	—	—	—
Reference Design for T5750, 915MHz	—	ATB5750-9-ND	298.85	—	—	—	—
PC-Controlled Application Board for U6815M or T6816 with Dual Hex DMOS Output Driver	—	ATB6816-ND◆	184.87	—	—	—	—
PC-Controlled Application Board for T6817 with Dual Triple DMOS Output Driver	—	ATB6817-ND◆	184.87	—	—	—	—
PC-Controlled Application Board for T6818 with Triple Half-Bridge DMOS Driver	—	ATB6818-ND◆	184.87	—	—	—	—
PC-Controlled Application Board for T6819 with Triple Half-Bridge DMOS Driver with PWM Function	—	ATB6819-ND◆	184.87	—	—	—	—
RF-Module Development Board for ATR2406	—	ATR2406-DEV-BOARD-ND	419.25	—	—	—	—
Long Range RF-Module Development Board for ATR2406 / ATmega88	—	ATR2406-DEV-BOARD2-ND	419.25	—	—	—	—
Starter Kit for STK500, 315MHz	—	ATAKSTK511-3-ND	649.30	—	—	—	—
Starter Kit for STK500, 868MHz	—	ATAKSTK511-8-ND	642.85	—	—	—	—
Starter Kit for STK500, 915MHz	—	ATAKSTK511-9-ND	642.85	—	—	—	—
RAC Unidirectional Kit, 315MHz	—	ATAKSTK512-3-ND◆	330.00	—	—	—	—
RAC Unidirectional Kit, 434MHz	—	ATAKSTK512-4-ND◆	330.00	—	—	—	—
Evaluation Kit with ATR2406 and ATmega88 Boards	—	ATR2406-DEV-KIT2-ND	1075.00	—	—	—	—
RF Design Kit, 868MHz	—	ATAK5750-60-N-ND	849.25	—	—	—	—
RF Design Kit, 915MHz	—	ATAK5750-61-N-ND	849.25	—	—	—	—
RF Design Kit T5754, 434MHz, 600kHz Bandwidth, with SAW Filter	—	ATAK5754-43P6-S-ND	849.25	—	—	—	—
Development Kit for ATA5744U (USA)	—	ATAK4015744U-ND	752.50	—	—	—	—
Development Kit for AT86RF401U	—	AT86RF401U-EK1-ND	320.35	—	—	—	—
GPS-LNA Demoboard for Performance Evaluation	—	ATR0610-EK1-ND◆ NEW!	266.00	—	—	—	—
Starter Kit for ATmega32M1 and ATmega32C1	—	ATSTK524-ND◆ NEW!	81.00	—	—	—	—

† 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.

The ATMEGA series of AVR MCUs enables you to choose from 32KB to 256KB to fit the needs of your design.

Description	Package	Digi-Key Part No.	Price Each		
			1	25	100
MCU ATMEGA644 / AT86RF230	44-TQFP	ATMEGA644RAZAV-10AU-ND	11.48	8.49	7.58
	44-QFN	ATMEGA644RAZAV-10MU-ND	11.48	8.49	7.58
	40-DIP	ATMEGA644RAZAV-10PU-ND	11.48	8.49	7.58
MCU ATMEGA644P / AT86RF230	44-TQFP	ATMEGA644RAZAPV-10AU-ND NEW!	7.20	—	—
	44-QFN	ATMEGA644RAZAPV-10MU-ND NEW!	7.20	—	—
MCU ATMEGA1281 / AT86RF230	64-TQFP	ATMEGA128RAZAV-8AU-ND	15.87	12.30	10.48
	64-QFN	ATMEGA128RAZAV-8MU-ND	15.87	11.81	10.48
MCU ATMEGA1280 / AT86RF230	100-TQFP	ATMEGA128RBZV-8AU-ND	16.86	12.78	11.13
	100-TQFP	ATMEGA128RBZV-8CU-ND NEW!	12.11	—	—
MCU ATMEGA2561 / AT86RF230	64-TQFP	ATMEGA256RAZAV-8AU-ND	19.67	14.55	12.99
	64-QFN	ATMEGA256RAZAV-8MU-ND	19.67	14.55	12.99
MCU ATMEGA2560 / AT86RF230	100-TQFP	ATMEGA256RBZV-8AU-ND	21.03	15.55	13.89
	100-TQFP	ATMEGA256RBZV-8CU-ND NEW!	13.19	—	—
Low-Power 2.4GHz Transceiver	32-QFN	AT86RF230-ZU-ND	5.96	4.16	3.47

ATAVRRZ502 RF Accessory Kit

The RZ502 RF Accessory Kit enables point to point link development, debugging and demonstration. More advanced network topologies can be developed by adding additional RF accessory kits. The kit is top modules for the STK500 AVR starter kit and requires a STK500 and STK501 for development purposes.

ATAVRRZ502-ND \$169.85

NEW! 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 \$39.00

ATAVRRZ201 Controller Boards and Software Kit

The kit contains five 2.4GHz 802.15.4 compliant and ZigBee compatible Radio-Controller Boards equipped with ATmega1281V microcontroller and AT86RF230 transceiver. By offering additional RCB's, the RZ201 kit complements the RZ200 kit, enabling demonstration of larger wireless networks based on 802.15.4/ZigBee™.

ATAVRRZ201-ND \$229.00

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 \$229.00

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 \$99.00

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digikey.com