



RF Encoder/Decoder Chipset

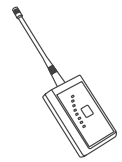
The RF Solutions RF600E and RF600D are easy to use encoder and decoder ICs. They have been designed to achieve the maximum possible range from any radio/InfraRed transmitter/receiver set. Unlike other encoder/decoder devices, the RF600E/600D provide an unprecedented level of security which prevents copying or grabbing while also obtaining optimum range from the transmitter and receiver.

Features: Highly secure KEELOQ® protocol • Simple to use • Stand Alone operation • Achieves maximum range from RF modules • Decoder serial output • LED indication of transmission • Directly compatible with KEELOQ® decoder • Easy learn feature of transmitters

RF600D-ND	Receiver/Decoder 18-DIP	6.50
RF600E-ND	Transmitter/Encoder 8-DIP	3.27

Hand Held RF Meter

A miniature RF meter which can be used to show the presence of a radio signal. Briefly press the power switch and the LED bargraph shows RF activity within the local environment. The peak signal is held for one second. This can be invaluable when installing a radio system to determine if other RF signals are present (interference) and also validate the signal strength of the radio transmitter to be installed.



006-315R1-ND	Hand Held RF Meter 315MH	90.75
006-433R2-ND	Hand Held RF Meter 433MH	90.75

Wireless Communication

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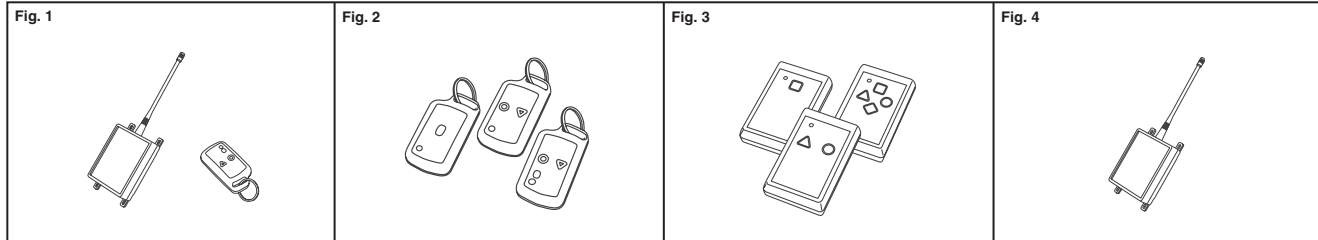


Fig.	Description	Freq. (MHz)	Digi-Key Part No.	Price Each
Remote Control Systems				
AM Keyfob Systems				
1	1 Channel System, 12/24Vdc	315	118C1-315AR1-ND	83.13
	3 Channel System, 12/24 Vdc	315	118C3-315AR1-ND	94.56
2	AM Keyfob Transmitter, 1 Button	315	AM110C1-315-ND	15.43
	AM Keyfob Transmitter, 2 Button	315	AM110C2-315-ND	16.04
	AM Keyfob Transmitter, 3 Button	315	AM110C3-315-ND	16.59
—	RF Receiver/Decoder Hybrid	315	AMHIRK-315AR3-ND	24.83
FM Keyfob Systems				
3	FM Handheld Transmitter, 1 Switch	315	102C1-315FR1-ND	58.08
	FM Handheld Transmitter, 2 Switch	315	102C2-315FR1-ND	63.89
	FM Handheld Transmitter, 4 Switch	315	102C4-315FR1-ND	69.70
	FM Remote Receiver Decoder	315	008-315F-ND	112.46
AM Radio Modules				
AM Super Hetrodyne Receivers				
—	Superhetrodyne Receiver	315	AMRRQ3-315-ND	13.76
—	Superhetrodyne Receiver	433	AMRRQ3-433-ND	12.16
AM Miniature Super Regenerative Receiver				
—	SuperRegen Receiver, Miniature	433	AMHRR30-433-ND	7.95

Fig.	Description	Freq. (MHz)	Digi-Key Part No.	Price Each
AM Super Regenerative Receiver Modules				
—	SuperRegen Receiver	315	AMHRR3-315-ND	7.62
—	SuperRegen Receiver	433	AMHRR3-433-ND	7.62
4 Pin Hybrid Transmitter Modules				
—	Hybrid Transmitter Module, DIL Package	315	AMRT4-315-ND	7.25
—	Hybrid Transmitter Module, DIL Package	433	AMRT4-433-ND	7.25
FM Radio Modules				
FM Hybrid Transmitter and Receiver Modules				
—	FM Transmitter, DIL Package	315	FMRTFQ1-315-ND	10.13
	FM Transmitter, DIL Package	433	FMRTFQ1-433-ND	9.43
	FM Transmitter, SIL Package	433	FMRTFQ2-433R-ND	9.80
	FM Receiver, SIL Package	315	FMRRFQ1-315-ND	20.51
	FM Receiver, SIL Package	433	FMRRFQ1-433-ND	18.69
	FM Receiver, SIL Package	433	FMRRFQ2-433-ND	16.08
RF KEELOQ® Evaluation Kits				
—	RF KEELOQ® Evaluation Kit	315	RFEVAL2-315-ND	254.10
—	RF KEELOQ® Evaluation Receiver	—	RFEVAL3-ND*	72.42
Book				
—	Introduction to Low Power Radio Book	—	BK-RADIO-ND	24.32

*PCB Assembly only (RF Modules and antenna not supplied)



RF Modules and Kits

ZMN2405HP Features: • Zigbee 2006 Modules Utilize 2.4GHz Direct Sequence Spread Spectrum (DSSS) • Ad Hoc mesh network • Low Power (see chart) • SPI and UART Interface • FCC and CE Certified for Unlicensed Operation Coordinator (-C), Router (-R) and End Device (-E) versions available

WIT2450 Features: • 2.4GHz Frequency Hopping Spread Spectrum (FHSS) • Auto Ranging • Low Power (see chart) • FCC and ETSI Certified for unlicensed operation • RS-232 asynch interface

WIT910 Features: • 900MHz FHSS • 20+ mile range (Line of Sight) with Omni-Directional Antenna • FCC Certified for unlicensed operation • RS-232 asynch interface

Transceiver Modules

Power Output (mW)	Receive Sensitivity (dBm)	Operating Temperature (C°)	Operating Voltage (Vdc)	Data Rate (Max. Kbps)	Power Consumption Sleep/Rec./Time	Digi-Key Part No.	Price Each	RFM Part No.
+18dBm	-95	-40 - 85	2.7 - 3.6	250	3µ/33mA/150mA	583-1016-ND	26.18	ZMN2405HP-C
						583-1018-ND	26.18	ZMN2405HP-E
						583-1017-ND	26.18	ZMN2405HP-R
0dBm	-92	-40 - 85	3.3 - 5.5	250	3µ/33mA/130mA	583-1023-ND	15.54	ZMN2430-C
						583-1025-ND	15.54	ZMN2430-E
						583-1024-ND	15.54	ZMN2430-R
18dBm	-95	-40 - 85	3.3 - 5.5	250	3µ/33mA/130mA	583-1026-ND	26.18	ZMN2430HP-C
						583-1028-ND	26.18	ZMN2430HP-E
						583-1027-ND	26.18	ZMN2430HP-R
10, 63, 250†	-92	-40 - 70	3.3 - 10	460.8	750µA/40mA/150mA	583-1006-ND	106.87	WIT2450
						583-1008-ND	202.55	WIT910
10, 100, 500†	-103	-40 - 85	3.3 - 10	172.8	250µA/100mA/100mA			

† Software Selectable

Development Kits and Boards

Description	Digi-Key Part No.	Price Each	RFM Part No.
ZMN2405HP Daughter Board	583-1019-ND	141.93	ZMN2405HPDB
Zigbee Developer's Kit with ZMN2405HP (2), Antennas, Cables, and Software	583-1020-ND	240.45	ZMN2405HPDK
Zigbee Developer's Kit with ZMN2405HP (4), Serial Gateway, Antennas, Cables and Software	583-1021-ND	403.08	ZMN2405HPDK PRO
Zigbee Basic Developer's Kit with Serial Modem and Developer's Board, Antennas, Cables and Software	583-1022-ND	160.30	ZMN2405HPDK-B
Developer's Kit for WIT2450 Module with Modems (2), Antennas, Cables and Configuration Software	583-1007-ND	362.27	WIT2450DK
Developer's Kit for WIT910 Module with Modems (2), Antennas, Cables and Configuration Software	583-1009-ND	580.07	WIT910DK

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

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