

# TEXAS INSTRUMENTS Low Power RF Solutions



RoHS Compliant This page of product is compliant.

Wireless Solutions  
Texas Instruments

## ZIGBEE® SOLUTION KITS

MOUSER STOCK NO.	TI Part No.	Description	Price Each
839-CC2430ZDK	CC2430ZDK	CC2430 ZigBee Development Kit	1499.00
595-CC2431ZDK	CC2431ZDK	CC2431 ZigBee Development Kit	1999.00
595-CC2520DK	CC2520DK	CC2520 Development Kit	698.44
595-EZ430-RF2480	EZ430-RF2480	Z-Accel Demonstration Kit	112.75

## ZIGBEE® CHIPSET

- Zigbee Complies with EN 300 220 and FCC CFR 47, Part 15
- IEEE 802.15.4 Compliant

MOUSER STOCK NO.	TI Part No.	Package	Freq. Min/Max (MHz)	Operating Volt Min/Max	Modulation Techniques	Hardware MAC Encry/Auth	Price Each			
							1	25	100	250
839-CC2430-F32	CC2430F32RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	8.00	6.40	5.40	5.20
839-CC2430-F64	CC2430F64RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	8.41	7.57	6.71	6.43
839-CC2430-F128	CC2430F128RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	9.22	8.69	7.70	7.36
839-CC2431	CC2431RTC	QLP-48	2400	2.1/3.6	DSSS	Yes	11.85	10.64	9.43	9.08

## RF ISM BAND TOOL SOLUTIONS

MOUSER STOCK NO.	TI Part No.	Description	Price Each
839-2430DK	CC2430DK	CC2430 Development Kit	540.00
839-2430EMK	CC2430EMK	CC2430 Evaluation Module Kit	106.55
839-2431DK	CC2431DK	CC2431 Development Kit	995.00
595-CC2431EMK	CC2431EMK	CC2431 Evaluation Module Kit	99.00

## IEEE802.15.4

MOUSER STOCK NO.	TI Part No.	Package	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Integrated Bit Synchronizer	Internal RF Switch/IF Filter	Price Each			
								1	25	100	250
595-CC2520RHDT	CC2520RHDT	QFN-28	2394	2507	DSSS	Yes	Yes	4.95	4.40	3.71	3.57
839-CC2430-F128	CC2430F128RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	9.22	8.69	7.70	7.36
839-CC2430-F32	CC2430F32RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	8.00	6.40	5.40	5.20
839-CC2430-F64	CC2430F64RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	8.41	7.57	6.71	6.43
839-CC2431	CC2431RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	11.85	10.64	9.43	9.08

## ISM 2.4GHz

MOUSER STOCK NO.	TI Part No.	Package	Current Consumption (RX) (mA)	RAM (KB)	Flash (KB)	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Price Each			
									1	25	100	250
839-CC2500	CC2500RTK	QFN-20	12.8	-	-	2400	2483	-	4.26	3.42	2.66	2.52
839-CC2511F8RSP	CC2511F8RSP	QFN-36	22	1	8	2400	2483.5	2-FSK, GFSK, MSK	7.70	6.16	5.19	5.00
839-CC2510F8RSP	CC2510F8RSP	QFN-36	22	1	8	2400	2483.5	2-FSK, GFSK, MSK	7.20	5.76	4.85	4.67
839-CC2510F16RSP	CC2510F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	7.80	6.24	5.26	5.06
839-CC2511F16RSP	CC2511F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	8.30	6.64	5.60	5.39
839-CC2511F32RSP	CC2511F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	9.10	7.28	6.14	5.91
839-CC2510F32RSP	CC2510F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	8.60	6.88	5.80	5.58
839-CC2400R	CC2400RSU	QFN-48	24	-	-	2400	2483	-	7.40	5.92	4.98	4.79
595-CC2591RGVT	CC2591RGVT	QFN-16	1.7-3.4	-	-	2400	2483.5	-	3.51	3.12	2.63	2.53

## SUB 1-GHz

- Complies with EN 300 220 and FCC CFR 47, Part 15

MOUSER STOCK NO.	TI Part No.	Package	Freq. Min/Max (MHz)	Flash Size	RAM Size	Operating Volt Min/Max	Data Rate (Max) (Mbps)	Price Each		
								1	25	100
839-CC1010R	CC1010PAG	TQFP-64	300	1000	2.7/3.6	76.8	Single-Ended	14.66	13.20	11.70
839-CC1000R	CC1000PW	TSSOP-28	300	1000	2.1/3.6	76.8	Single-Ended	8.75	7.87	6.98
839-CC1050R	CC1050PW	TSSOP-24	300	1000	2.1/3.6	76.8	Single-Ended	4.70	3.76	3.15
839-CC1100	CC1100RTK	QFN-20	300, 400, 800	348, 464, 928	1.8/3.6	500	Differential	5.14	4.14	3.22
839-CC1150	CC1150RST	QFN-16	300, 400, 800	348, 464, 928	1.8/3.6	500	Differential	2.80	2.25	1.75
595-CC1101RTK	CC1101RTK	QFN-20	300, 387, 779	348, 464, 928	1.8/3.6	500	Differential	4.60	3.69	2.87
839-CC1110	CC1110F32RSP	QFN-36	300, 391, 782	348, 464, 928	2/3.6	500	Differential	8.09	7.27	6.44
839-CC1110F16RSP	CC1110F16RSP	QFN-36	300, 391, 782	348, 464, 928	2/3.6	500	Differential	8.90	7.12	6.00
839-CC1110F8RSP	CC1110F8RSP	QFN-36	300, 391, 782	348, 464, 928	2/3.6	500	Differential	8.30	6.64	5.59
839-CC1021R	CC1021RSS	QFN-32	402, 804	470, 940	2.1/3.6	153.6	Single-Ended	7.10	5.68	4.79
839-CC1020R	CC1020RSS	QFN-32	402, 804	470, 940	2.3/3.6	153.6	Single-Ended	6.21	5.52	4.65
839-CC1070R	CC1070RSQ	QFN-20	402, 804	470, 940	2.3/3.6	153.6	Single-Ended	4.82	3.87	3.01

## 2.5G BAND CHIPSET

MOUSER STOCK NO.	TI Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
595-TRF1121IRGZT	TRF1121IRGZT	QFN-48	FDD/HFDD, TDD	Dual PLL/VCO with IF Down-Converter	25.44	23.74	22.04	21.62
595-TRF1115IRGPT	TRF1115IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	12.16	10.95	9.70	9.30
595-TRF11211IRGZT	TRF11211IRGZT	QFN-48	FDD/HFDD, TDD	Dual PLL/VCO with IF Up-Converter	28.50	26.60	24.70	24.22
595-TRF11221IRTMT	TRF11221IRTMT	QFN-32	FDD/HFDD, TDD	RF Up-Converter	12.66	11.40	10.10	9.69
595-TRF11231RTMT	TRF11231RTMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver	10.42	9.82	8.71	8.35

## 3.5G BAND CHIPSET

MOUSER STOCK NO.	TI Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
595-TRF12121IRGZT	TRF12121IRGZT	QFN-48	FDD/HFDD, TDD	Dual PLL/VCO with IF Down-Converter	25.44	23.74	22.04	21.62
595-TRF12161IRGPT	TRF12161IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	12.16	10.95	9.70	9.30
595-TRF12211IRGZT	TRF12211IRGZT	QFN-48	FDD/HFDD, TDD	Dual PLL/VCO with IF Up-Converter	28.50	26.60	24.70	24.22
595-TRF12221IRTMT	TRF12221IRTMT	QFN-32	FDD/HFDD, TDD	RF Up-Converter	12.66	11.40	10.10	9.69
595-TRF12231RTMT	TRF12231RTMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver	8.75	8.25	7.31	7.01

## 5.8G BAND CHIPSET

MOUSER STOCK NO.	TI Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
595-TRF24321RTQT	TRF24321RTQT	QFN-56	TDD	IF Transceiver with Dual VCO/PLL	12.33	11.10	9.84	9.43
595-TRF24361RTBT	TRF24361RTBT	QFN-40	TDD	Dual Band RF Front-End	15.66	15.33	14.23	13.96

