

Frequency (MHz)	Typical Supply Voltage (V)	Current (Rx)	Modulation	Output Device Type	Power (dBm)	Package	Digi-Key Part No.	Price Each			Tape and Reel	
								1	25	100	Qty.	Pricing
868	2.4 - 3.6	14mA	2-FSK	Narrow-band Transceiver	15	Module 30 x 55mm	XM1205C868XE1-ND	112.50	74.70	63.00	—	—
915	2.4 - 3.6	14mA	2-FSK	Narrow-band Transceiver	15	Module 30 x 55mm	XM1205C915XE1-ND	112.50	74.70	63.00	—	—
Kits												
Evaluation Starter Kit for the XE1203 433MHz							XE1203SKC433XE2-ND	343.00	—	—	—	—
Evaluation Starter Kit for the XE1203 868MHz							XE1203SKC868XE2-ND	343.00	—	—	—	—
Evaluation Starter Kit for the XE1203 915MHz							XE1203SKC915XE2-ND	343.00	—	—	—	—
Evaluation Starter Kit for the XE1205 433MHz							XE1205SKC433XE1-ND	343.00	—	—	—	—
Evaluation Starter Kit for the XE1205 868MHz							XE1205SKC868XE1-ND	343.00	—	—	—	—
Evaluation Starter Kit for the XE1205 915MHz							XE1205SKC915XE1-ND	343.00	—	—	—	—
Evaluation Starter Kit for the SX1211 868MHz							SX1211SK868-ND	250.00	—	—	—	—
Evaluation Starter Kit for the SX1211 915MHz							SX1211SK915-ND	250.00	—	—	—	—
Evaluation Starter Kit for the SX1223 433MHz							SX1223SK433-ND	280.00	—	—	—	—
Evaluation Starter Kit for the SX1223 868MHz							SX1223SK868-ND	280.00	—	—	—	—
Evaluation Starter Kit for the SX1223 915MHz							SX1223SK915-ND	280.00	—	—	—	—

◆ RoHS Compliant

GPS

Power Consumption	Position Accuracy	Sensitivity (dBm)	Start Time (Hot)	Start Time (Warm)	Antenna Included	Module Size (mm)	Digi-Key Part No.	Price Each			Tape and Reel	
								1	25	100	Qty.	Pricing
19mA	<5 CEP (No software assist)	-143	<12 Seconds	<32 Seconds	No	31.59 x 26.59 x 11.2	RGPSM002-ND	68.75	45.65	38.50	—	—
19mA	<5 CEP (No software assist)	-143	<12 Seconds	<32 Seconds	Yes	31.59 x 26.59 x 11.2	RGPSM002WA-ND	79.75	52.96	44.66	—	—
25mA	<5 CEP (No software assist)	-143	<12 Seconds	<32 Seconds	No	38 x 26.5	RGPSM202-ND	82.50	54.78	46.20	—	—
Evaluation Kit												
Evaluation Kit for RGPSM002, includes module, development board, CD with documentation, antenna and USB Cable							RGPSD012-ND	525.00	—	—	—	—

CODECs

ADC	SNR (Fsync=20kHz)	THD (Fsync=20kHz, 1/4 FS)	Supply Voltage (V)	Sampling Rate (kHz)	DAC	Package	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel	
								1	25	100	Qty.	Pricing
16-bit $\Sigma \Delta$	78	0.5	1.8	4-48	16-bit PWM	20-TSSOP	XE3005I033CT-ND	4.38	2.91	2.45	2,500	2328.00/M
16-bit $\Sigma \Delta$	78	0.5	1.8	4-48	16-bit PWM	20-UCSP	XE3005I064CT-ND	4.10	2.73	2.30	2,000	2181.00/M

† For Tape and Reel part number, change CT-ND to TR-ND.

Data Acquisition - ZoomingADC™

MCU MIPS	Max Speed CPU (MHz)	RAM (bytes)	Supply Voltage Min. / Max.	MTP (Multiple time Programmable ROM) KB	Temperature	Package	Digi-Key Part No.	Price Each			Tape and Reel	
								1	25	100	Qty.	Pricing
2	4	520	2.4 / 5.5	22	-40°C - 85°C	44-LOFP	XE8801AMI027LF-ND	14.28	9.48	8.00	—	—
2	4	1032	2.4 / 5.5	22		100-LOFP	XE8802MI035LF-ND	22.88	15.19	12.81	—	—
2	5	520	2.4 / 5.5	22		64-LOFP	XE8805AMI028LF-ND	15.48	10.28	8.67	—	—
2.5	5	520	2.4 / 5.5	22		32-TOFP	XE8806AMI026CT-ND	9.45	6.28	5.30	2,000	5027.40/M
5	5	520	2.4 / 5.5	22		32-TOFP	XE8807AMI026CT-ND	9.45	6.28	5.30	2,000	5027.40/M
—	—	—	2.4 / 5.5	—	-40°C - 125°C	44-MLPG	SX8722I070LFCCT-ND	14.03	9.32	7.86	2,000	7573.50/M
—	—	—	2.4 / 5.5	—		12-MLPD	SX8723E083CT-ND	5.63	3.74	3.15	3,000	3037.50/M
—	—	—	2.4 / 5.5	—		16-MLPD	SX8724E082CT-ND	6.88	4.57	3.85	3,000	3712.50/M
—	—	—	2.4 / 5.5	—		12-MLPD	SX8725E083CT-ND	4.48	2.98	2.51	3,000	2416.50/M
Evaluation and Programming Boards												
Evaluation Board for the XE8801							XE8000EV101-ND	310.00	—	—	—	—
Evaluation Board for the XE8805							XE8000EV104-ND	310.00	—	—	—	—
Evaluation Board for the XE8806/XE8807							XE8000EV108-ND	310.00	—	—	—	—
Evaluation Board for the XE8802							XE8000EV110-ND	440.00	—	—	—	—
Program Board and the ProStart2 Card for the XE88xx series							XE8000MP-ND	280.00	—	—	—	—
Evaluation Board for the SX8722							XE8000EV120-ND	112.00	—	—	—	—
Evaluation Board for the SX8723/24							XE8000EV121-ND	200.00	—	—	—	—

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

2.4GHz ZigBee™ Development Kit

The 2.4GHz ZigBee Development Kit (ZigBee-2.4-DK) includes all hardware and software necessary to immediately begin developing ZigBee network solutions. This comprehensive development platform allows customers to focus on application development rather than hardware selection and integration. Silicon Laboratories' industry-compliant ZigBee development platform benefits customers by ensuring multi-vendor interoperability.

The ZigBee-2.4-DK contains the following items: • Six 2.4GHz 802.15.4 Development Boards with Antennas • One 9V, 1.5A Universal Power Supply • One USB Debug Adapter • Two USB Cables • Six 9V Batteries

336-1275-ND 2.4GHz ZigBee Development Kit **\$993.75**

802.15.4-2.4-DK Development Kit

The 2.4GHz 802.15.4 Development Kit (802.15.4-2.4-DK) includes all of the hardware and software necessary to immediately begin developing an 802.15.4 solution. This comprehensive development platform allows customers to focus on application development rather than hardware selection and integration. Silicon Laboratories' industry-compliant (tested for compliance by TUV Rheinland) 802.15.4 development platform benefits customers by ensuring multi-vendor interoperability.

The 802.15.4-2.4-DK contains the following items: • Two 2.4GHz 802.15.4 ZigBee Target Boards • Two Antennas • Two 9V batteries • 2.4GHz 802.15.4 Development Kit User's Guide • AC to DC power adapter • USB debug adapter (USB to debug interface) • Two USB cables

336-1295-ND 2.4GHz 802.15.4-2.4-DK Development Kit **\$564.25**

RF Synthesizers

Silicon Laboratories' wireless solutions are the world's most integrated, robust, reliable and easiest to use wireless solutions available in the market today. By eliminating more discrete and requiring fewer external components than alternate solutions, our products empower our customers to add value-rich features and speed time to market. Best of all, we develop and design these world-class products in proven, standard CMOS process technology.

Features: • CMOS RF synthesizers with integrated VCOs, loop filters and varactors • Low profile packages

Description	RF1 (MHz)	RF2 (MHz)	IF (MHz)	Settling Time (µs)	Input RF (MHz)	Package	Digi-Key Part No.	Price Each			Silicon Labs Part No.	Evaluation Board Digi-Key Part No.	Price Each	Silicon Labs Part No.
								1	25	100				
IF OUT, Lead Free, QFN	900 - 1.8	750 - 1.5	62.5 - 1000	200	2 - 26	28-QFN	336-1170-ND	5.96	5.30	5.30	SI4112-D-GM	—	—	—
IF OUT, Lead Free, TSSOP	900 - 1.8	750 - 1.5	62.5 - 1000	200	2 - 26	24-TSSOP	336-1171-ND	5.96	5.30	5.30	SI4112-D-GT	—	—	—
General Purpose	900 - 2050	750 - 1500	N/A	200	2 - 26	28-MLP	336-1099-ND	8.84	7.86	7.86	SI4113-D-GM	—	—	—
RF1/RF2 OUT, Lead Free, TSSOP	900 - 1.8	750 - 1.5	62.5 - 1000	200	2 - 26	24-TSSOP	336-1172-ND	8.84	7.86	7.86	SI4113-D-GT	—	—	—
General Purpose	N/A	750 - 1500	62.5 - 1000	200	2 - 26	28-MLP	336-1103-ND	8.84	7.86	7.86	SI4122-D-GM	—	—	—
RF2/IF OUT, Lead Free, TSSOP	900 - 1.8	750 - 1.5	62.5 - 1000	200	2 - 26	24-TSSOP	336-1173-ND	8.84	7.86	7.86	SI4122-D-GT	—	—	—
RF1/IF OUT, Lead Free, QFN	900 - 1.8	750 - 1.5	62.5 - 1000	200	2 - 26	28-QFN	336-1174-ND	8.84	7.86	7.86	SI4123-D-GM	—	—	—
802.11b.g and Ism Band	N/A	2025 - 2300	62.5 - 1000	80	2 - 50	28-MLP	336-1111-ND	8.73	7.86	7.86	SI4126-BM	—	—	—
2.3GHz/IF OUT	2300 - 2500	2025 - 2300	62.5 - 1000	80	2 - 50	28-MLP	336-1176-ND	8.73	7.86	7.86	SI4126-F-BM	—	—	—
2.3GHz/IF OUT, Lead Free	N/A	2025 - 2300	62.5 - 1000	100	2 - 50	28-MLP	336-1289-5-ND	8.84	7.86	7.86	SI4126-F-GM	—	—	—
General Purpose	900 - 2050	750 - 1500	62.5 - 1000	200	2 - 26	28-MLP	336-1113-ND	11.03	9.80	9.80	SI4133-BM	—	—	—
RF1/RF2/IF OUT, Lead Free, TSSOP	900 - 1.8	750 - 1.5	62.5 - 1000	200	2 - 26	24-TSSOP	336-1177-ND	11.03	9.80	9.80	SI4133-D-GT	—	—	—
802.11b.g and Ism Band	2300 - 2500	2025 - 2300	62.5 - 1000	80	2 - 50	28-MLP	336-1118-ND	10.89	9.80	9.80	SI4136-BM	336-1119-ND	225.00	SI4136M-EVB
2.5GHz/2.3GHz/IF OUT, Lead Free	2300 - 2500	2025 - 2300	62.5 - 1000	80	2 - 50	28-QFN	336-1178-ND	11.03	9.80	9.80	SI4136-F-GM	—	—	—
2.5GHz/2.3GHz/IF OUT, Lead Free	2300 - 2500	2025 - 2300	62.5 - 1000	100	2 - 50	24-TSSOP	336-1291-5-ND	11.03	9.80	9.80	SI4136-F-GT	336-1119-ND	225.00	SI4136M-EVB

§ For a 200kHz update rate † For update rates > 500kHz ◆ RoHS Compliant

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