

SILICON LABS Wireless Solutions



This product is RoHS compliant.



EZRADIO®

The Silicon Labs EZRadio family of fully integrated, low power, low data rate, low cost ICs are designed to meet the needs of OEMs developing mesh network applications for both consumer and industrial monitoring and control. EZRadio products support proprietary and de facto standard point-to-point, star, and mesh networks, as well as complex, standards-based mesh network applications.



Transmitter ICs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate FSK, OOK (kbps)	Frequency Range (MHz)	Output Power		Supply Voltage (V)	Idle Current (mA)	Price Each			
						868 MHz	434 MHz			1	25	100	500
634-Si4020-I1-FT	Si4020-I1-FT	TSSOP16	FSK, OOK	256, 256	315, 433, 868, 915	1 dBm	3 dBm	2.2-5.4	1.5	2.35	1.69	1.66	1.58
634-Si4021-A1-FT	Si4021-A1-FT	TSSOP16	FSK, OOK	115, 512	433, 868, 915	6 dBm	8 dBm	2.2-5.4	1.5	2.55	1.82	1.52	1.34
634-Si4022-A1-FT	Si4022-A1-FT	TSSOP16	FSK	115	433, 868, 915	6 dBm	8 dBm	2.2-3.8	0.5	2.40	1.71	1.44	1.27

Receiver ICs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate FSK, OOK (kbps)	Frequency Range (MHz)	Output Power		Supply Voltage (V)	Idle Current (mA)	Price Each			
						868 MHz	434 MHz			1	25	100	500
634-Si4320-J1-FT	Si4320-J1-FT	TSSOP16	FSK, OOK	256, 1	315, 433, 868, 915	-	-	2.2-5.4	3	2.34	2.19	2.06	1.93
634-Si4322-A0-FT	Si4322-A0-FT	TSSOP16	FSK	256	433, 868, 915	-	-	2.2-3.8	0.5	2.26	1.98	1.81	1.72
634-Si4322-A1-FT	Si4322-A1-FT	TSSOP16	FSK	256	433, 868, 915	-	-	2.2-3.8	0.5	2.83	2.03	2.01	1.92

Transceiver ICs

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MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate FSK (kbps)	Frequency Range (MHz)	Output Power		Supply Voltage (V)	Idle Current (mA)	Price Each			
						868 MHz	434 MHz			1	25	100	500
634-Si4420-D1-FT	Si4420-D1-FT	TSSOP16	FSK	256	315, 433, 868, 915	2 dBm	3 dBm	2.2-5.4	3	3.02	2.83	2.65	2.49
634-Si4421-A1-FT	Si4421-A1-FT	TSSOP16	FSK	115	315, 433, 868, 915	7 dBm	5 dBm	2.2-3.8	0.6	3.53	2.53	2.51	2.39

EZRADIOPRO™

While including all the attractive features of the EZRadio® products such as high integration, low cost, flexibility, low BOM, and easy design-in, EZRadioPRO targets more sophisticated applications and features continuous frequency coverage from 240 - 960 MHz, and output power up to +20 dBm, built-in wake-up timer, low battery detector, transmit and receive data FIFOs, power-on reset circuit, and general purpose digital I/Os.



Transmitter ICs

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MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate (kbps)		Frequency Range (MHz)	Output Power	Supply Voltage (V)	Idle Current (mA)	Price Each			
				FSK/GFSK	OOK					1	25	100	500
634-Si4030-A0-FM	Si4030-A0-FM	QFN 20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	27	3.42	2.46	2.06	1.82
634-Si4031-A0-FM	Si4031-A0-FM	QFN 20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	27	1.63	1.62	1.54	1.48
634-Si4032-V2-FM	Si4032-V2-FM	QFN 20	FSK, GFSK, OOK	128	40	240 - 930	+11 to +20	1.8 - 3.6	27	3.57	2.56	2.14	1.89

Receiver ICs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate (kbps)		Frequency Range (MHz)	Output Power	Supply Voltage (V)	Receive Current (mA)	Price Each			
				FSK/GFSK	OOK					1	25	100	500
634-Si4330-A0-FM	Si4330-A0-FM	QFN 20	FSK, GFSK, OOK	128	40	240 - 930	-	1.8 - 3.6	18.5	2.70	2.36	2.16	2.06

Transmitter ICs

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MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate (kbps)		Frequency Range (MHz)	Output Power	Supply Voltage (V)	Idle Current (mA)	Price Each			
				FSK/GFSK	OOK					1	25	100	500
634-Si4430-A0-FM	Si4430-A0-FM	QFN20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	18.5 / 27	4.84	4.54	4.26	4.00
634-Si4431-A0-FM	Si4431-A0-FM	QFN20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	18.5 / 27	3.34	3.12	2.93	2.75
634-Si4432-V2-FM	Si4432-V2-FM	QFN20	FSK, GFSK, OOK	128	40	240 - 930	+11 to +20	1.8 - 3.6	18.5 / 27	3.76	3.50	3.29	3.09

DEVELOPMENT TOOLS AND TEST CARDS

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each	MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-4021-DKDB10	4021-DKDB10	Test Board loop Tx (915/868MHz)	26.00	634-4320-DKDB4	4320-DKDB4	Test Board BIFA Rx (915MHz)	21.00
634-4021-DKDB11	4021-DKDB11	Test Board loop Tx (434MHz)	26.00	634-4320-DKDB5	4320-DKDB5	Test Board BIFA Rx (868MHz)	21.00
634-4021-DKDB13	4021-DKDB13	Test Board 50 Ohm Tx (915/868MHz)	40.00	634-4320-DKDB8	4320-DKDB8	Test Board xloop Rx (915MHz)	26.00
634-4021-DKDB14	4021-DKDB14	Test Board 50 Ohm Tx (434MHz)	33.00	634-4320-DKDB9	4320-DKDB9	Test Board xloop Rx (868MHz)	26.00
634-4021-DKDB2	4021-DKDB2	Test Board BIFA Tx (915MHz)	24.00	634-4322-DKDB1	4322-DKDB1	Test Board 50 Ohm Rx (915/868MHz)	40.00
634-4021-DKDB3	4021-DKDB3	Test Board BIFA Tx (868MHz)	24.00	634-4420-DKDB1	4420-DKDB1	Test Board 50 Ohm TRx (915MHz)	40.00
634-4021-DKDB7	4021-DKDB7	Test Board xloop Tx (915/868MHz)	26.00	634-4420-DKDB2	4420-DKDB2	Test Board 50 Ohm TRx (434MHz)	40.00
634-4022-DKDB13	4022-DKDB13	Test Board 50 Ohm Tx (915/868MHz)	23.00	634-4421-DKDB2	4421-DKDB2	Test Board 50 Ohm TRx (434MHz)	40.00
634-4320-DKDB1	4320-DKDB1	Test Board 50 Ohm Rx (915/868MHz)	33.00	634-4432-DKDB2	4432-DKDB2	Single Antenna TRx Testcard Hi band	51.00
634-4320-DKDB10	4320-DKDB10	Test Board xloop Rx (434MHz)	33.00	634-4432-DKDB1	4432-DKDB1	Tx/Rx Split 4432 TRx Testcard Hi band	51.00
634-4320-DKDB2	4320-DKDB2	Test Board 50 Ohm Rx (434MHz)	33.00	634-4432-DKDB0	4432-DKDB0	Ant. Diversity 4432 Testcard High band	60.00

