# Sierra Wireless AirPrime™ Embedded Wireless Modules SL Series

#### AirPRIME SL6087

Elected "Best 2G Module" by the GSM Association in 2010, the AirPrime SL6087 quad-band EDGE module natively supports a complete embedded application framework.

#### AirPRIME SL808x

The AirPrime SL808x offers dual-band HSDPA connectivity (up to 3.6 Mbps downlink) and quad-band GSM/GPRS/EDGE network access. It offers worldwide coverage with 3 different dual-band versions: 850/900 MHz, 900/2100 MHz, and 850/2100 MHz. SL8080 is data+voice; SL8081 is data only.

#### AirPRIME SL809x

The AirPrime SL809x is one of the smallest high-speed HSPA+ modules in the industry, featuring voice, antenna diversity, and GPS support. It offers tri-band (850/1900/2100 MHz) or dual-band (900/2100 MHz) HSPA+ connectivity with data speeds up to 14.4 Mbps on the downlink and 5.7 Mbps on the uplink, as well as quad-band GSM/GPRS/EDGE.

#### AirPriME SL501x

The AirPrime SL501x is a dual-band (800/1900 MHz) EV-DO Rev A module. It offers data speeds up to 3.1Mbps on the downlink and up to 1.8Mbps on the uplink, and supports GPS. SL5010 is data+voice; SL5011 is data only.

#### AirPrime SL9090

The AirPrime SL9090 is one of the smallest high-speed **Multimode HSPA+ and EV-DO** modules in the industry, featuring voice, antenna diversity, and GPS support. It offers quad-band HSPA+ (800/850/1900/2100 MHz), dual-band EV-DO (800/1900 MHz), and quad-band GSM/GPRS/EDGE (850/900/1800/1900MHz) connectivity with data speeds up to 14.4 Mbps on the downlink and 5.7 Mbps on the uplink.

### AirPrime SL Universal Development Tools

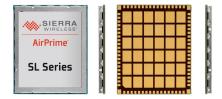
A Universal "Quick Start" development kit is available to support SL series development. Socket-up modules are available for each specific module version and carriers.

Developer Kits and Product Available Now from Richardson RFPD!

#### **KEY BENEFITS**

- Compact and cost-effective module with processing capabilities
- High scalability for new network technologies
- A single form-factor compatible for multiple regions
- Resists industrial environments and extended temperatures
- Fast deployment with an embedded application framework





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# Sierra Wireless AirPrime™ Embedded Wireless Modules SL Series

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Part Number SMT Module	Sierra SKU	Frequency Range (Mhz)	Technology	Open AT	Temp °C	GPS	Voice	Data	Regulatory Approval	Carrier Firmware	Firmware Version	Size (mm)	module PN	Socket up dev kit PN	SMT Modu Dev Kit PN
onn mourie	olenia olico	indinge (ininz)	reamonogy		Temp e	0.0	10.00	Data	FCC/CE/IC/			0120 (1111)		uer latert	Der lat 1
									PTCRB/NCC/A					-	
									tick/Anatel/S	ATT/	R7.45.1/ExtA			SL SERIES	<u>6000471 o</u>
<u>SL6087 1101400</u>	1101400	850/900/1800/1900	GSM/GPRS/EDGE	Yes	-40-+85	No	Yes	Yes	RRC	Tmobile	T 1.01.1	25x30x2.40	<u>6000465</u>	<u>QSK</u>	<u>6000550</u>
									FCC/CE/IC/ PTCRB/NCC/A						
									tick/Anatel/S		R7.44.6/WIP			SL SERIES	<u>6000471 o</u>
SL6087 1101565	1101565	850/900/1800/1900	GSM/GPRS/EDGE	Yes	-40-+85	No	Yes	Yes	RRC	Vodafone	SOFT 5.40	25x30x2.40	<u>6000465</u>	<u>QSK</u>	6000550
														-	
<u>SL8080 1101821</u>	1101508	850/900/1800/1900	GSM/GPRS/ EDGE/HSPA/UMTS	No	-40-+85	Yes	Yes	Yes	FCC/CE/IC /PTCRB	ATT	S2.0.0.21B	25x30x2.40	6000462	<u>SL_SERIES</u> <u>QSK</u>	<u>6000471 o</u> <u>6000550</u>
	1101308	830/300/1800/1900		INU	-40-+63	Tes	res	165		ATT	32.0.0.21B	23X30X2.40	0000402	<u>Q3N</u>	
SL8080B 1101520	1101520	850/900/1800/1900	GSM/GPRS/ EDGE/HSPA/UMTS	No	-40-+85	No	Yes	Yes	FCC/CE/IC /PTCRB	Rogers	\$2.0.0.21	25x30x2.40	N/A	N/A	6000471 0 6000550
	1101520	830/300/1800/1900	EDGE/TISFA/ONTS	NO	-40-185	NO	163	163	711010	Nogers	52.0.0.21	2373072.40	11/75	-	0000330
			GSM/GPRS/						FCC/CE/IC					SL SERIES	<u>6000471 c</u>
<u>SL8080T 1101545</u>	1101545	850/900/1800/1900	EDGE/HSPA/UMTS	Yes	-40-+85	Yes	Yes	Yes	/PTCRB	ATT	4.1.0.07	25x30x2.40	<u>6000516</u>	<u>QSK</u>	<u>6000550</u>
									500/05/00					-	c000 474
<u>SL8081 1101184</u>	1101184	850/900/1800/1900	GSM/GPRS/ EDGE/HSPA/UMTS	No	-40-+85	No	No	Yes	FCC/CE/IC /PTCRB/NCC	ATT	\$2.0.0.19	25x30x2.40	6000467	<u>SL_SERIES</u> <u>QSK</u>	6000471 0 6000550
	1101104	850/500/1800/1900	EDGE/HSFA/OWITS	NO	-40-185	NO	NU	163	FCC/CE/		52.0.0.15	2373072.40	0000407	<u>Q3K</u>	0000330
									PTCRB/IC/					-	
		850/900/1800/1900/21	GSM/GPRS/						NCC/NTT					SL SERIES	<u>6000471 d</u>
<u>SL8090 1101425</u>	1101425	00	EDGE/HSPA+ /UMTS	No	-40-+85	Yes	Yes	Yes	DoCoMo	ATT	P1.0.0.8	25x30x2.40	<u>6000474</u>	<u>QSK</u>	<u>6000550</u>
CDMA:		I	1												
		_									_		Socket up		
Part Number SMT Module	Sierra SKU	Frequency Range (Mhz)	Technology	Open AT	Temp °C	GPS	Voice	Data	Regulatory Approval	Carrier Firmware	Firmware Version	Size (mm)	module PN	Socket up dev kit PN	SMT Modu Dev Kit PN
Similatio	Sierra Sico	Nalige (Wiliz)	recimology		Temp c	dr J	Voice	Data	FCC/IC/	Timware	Version	5120 (11111)	FN	UCV KIL FIV	Deviatri
									VERIZON						<u>6000471 c</u>
SL3010 1101861	TBD	800/1900	1xRTT CDMA	No	-40-+85	Yes	Yes	Yes	/SPRINT	Verizon	1.05.06	25x30x2.35	N/A	N/A	6000550
									FCC/IC/						
									VERIZON						<u>6000471 c</u>
<u>SL3011 1101860</u>	TBD	800/1900	1xRTT CDMA	No	-40-+85	Yes	No	Yes	/SPRINT	Sprint	1.05.03	25x30x2.35	<u>N/A</u>	N/A	<u>6000550</u>
									/5/ ////						
									FCC/IC/					-	
			1xRTT CDMA/ EV						FCC/IC/ VERIZON					<u>SL_SERIES</u>	
<u>SL5010 1101507</u>	1101507	800/1900	1xRTT CDMA/ EV DO Rev A	No	-40-+85	Yes	Yes	Yes	FCC/IC/ VERIZON /SPRINT	Verizon	1.05.06	25x30x2.35	<u>6000485</u>	<u>SL SERIES</u> <u>QSK</u>	
<u>SL5010 1101507</u>	1101507	800/1900	DO Rev A		-40-+85	Yes	Yes	Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/	Verizon	1.05.06	25x30x2.35	<u>6000485</u>	<u>QSK</u>	<u>6000550</u>
			DO Rev A						FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON					<u>QSK</u> SL_SERIES	6000550
<u>SL5010 1101507</u> <u>SL5010 1101441</u>	1101507	800/1900	DO Rev A		-40-+85 -40-+85	Yes Yes	Yes	Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT	Verizon Sprint	1.05.06	25x30x2.35 25x30x2.35	<u>6000485</u> <u>6000486</u>	<u>QSK</u>	6000550
			DO Rev A 1xRTT CDMA/ EV DO Rev A						FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/					<u>QSK</u> <u>SL_SERIES</u> <u>QSK</u>	6000550 6000471 c 6000550
			DO Rev A						FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT					<u>QSK</u> SL_SERIES	6000550 6000471 c 6000550 6000471 c
<u>SL5010 1101441</u>	1101441	800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV	No	-40-+85	Yes	Yes	Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT	Sprint	1.05.03	25x30x2.35	<u>6000486</u>	<u>QSK</u> SL SERIES <u>QSK</u> SL SERIES	6000550 6000471 c 6000550 6000471 c
<u>SL5010 1101441</u>	1101441	800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV	No	-40-+85	Yes	Yes	Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON	Sprint	1.05.03	25x30x2.35	<u>6000486</u>	<u>QSK</u> SL SERIES <u>QSK</u> SL SERIES	<u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u> <u>6000550</u>
<u>SL5010 1101441</u>	1101441	800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A	No	-40-+85	Yes	Yes	Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/	Sprint	1.05.03	25x30x2.35	<u>6000486</u>	<u>QSK</u> SL SERIES QSK SL SERIES QSK	<u>6000471 c</u> <u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u> <u>6000550</u>
<u>SL5010 1101441</u> <u>SL5011 1101506</u> <u>SL5011 1101442</u>	1101441	800/1900 800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV	No No	-40-+85	Yes Yes	Yes No	Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON	Sprint Verizon	1.05.03	25x30x2.35 25x30x2.35	<u>6000486</u> <u>6000480</u>	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>QSK</u> <u>SL SERIES</u> <u>SL SERIES</u>	<u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u>
<u>SL5010 1101441</u> <u>SL5011 1101506</u>	1101441	800/1900 800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV	No No	-40-+85	Yes Yes	Yes No	Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON	Sprint Verizon	1.05.03	25x30x2.35 25x30x2.35	<u>6000486</u> <u>6000480</u> <u>6000481</u>	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>QSK</u> <u>SL SERIES</u> <u>SL SERIES</u>	<u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u> <u>6000550</u> <u>6000471 c</u>
<u>SL5010 1101441</u> <u>SL5011 1101506</u> <u>SL5011 1101442</u> DUAL:	1101441	800/1900 800/1900 800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV	No No	-40-+85	Yes Yes	Yes No	Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT	Sprint Verizon Sprint	1.05.03 1.05.06 1.05.03	25x30x2.35 25x30x2.35	<u>6000486</u> <u>6000480</u> <u>6000481</u> Socket up	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>SL SERIES</u> <u>QSK</u>	6000550 6000471 c 6000550 6000471 c 6000550 6000471 c 6000550
<u>SI5010 1101441</u> <u>SI5011 1101506</u> <u>SI5011 1101442</u> DUAL: Part Number	1101441 1101506 1101442	800/1900 800/1900 800/1900 Frequency	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A	No No Open	-40-+85 -40-+85	Yes Yes Yes	Yes No No	Yes Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT Regulatory	Sprint Verizon Sprint Carrier	1.05.03 1.05.06 1.05.03	25x30x2.35 25x30x2.35 25x30x2.35	6000486 6000480 6000481 Socket up module	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>SL SERIES</u> <u>QSK</u> Socket up	6000550 6000471 c 6000550 6000471 c 6000550 6000471 c 5000550 SMT Modu
<u>SL5010 1101441</u> <u>SL5011 1101506</u> <u>SL5011 1101442</u> DUAL:	1101441	800/1900 800/1900 800/1900	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV	No No	-40-+85	Yes Yes Yes	Yes No	Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT	Sprint Verizon Sprint	1.05.03 1.05.06 1.05.03	25x30x2.35 25x30x2.35	<u>6000486</u> <u>6000480</u> <u>6000481</u> Socket up	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>SL SERIES</u> <u>QSK</u>	6000550 6000471 c 6000550 6000471 c 6000550 6000471 c 6000550
<u>SI5010 1101441</u> <u>SI5011 1101506</u> <u>SI5011 1101442</u> DUAL: Part Number	1101441 1101506 1101442	800/1900 800/1900 800/1900 Frequency	DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A 1xRTT CDMA/ EV DO Rev A Technology	No No Open AT	-40-+85 -40-+85	Yes Yes Yes	Yes No No	Yes Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT Regulatory	Sprint Verizon Sprint Carrier	1.05.03 1.05.06 1.05.03	25x30x2.35 25x30x2.35 25x30x2.35	6000486 6000480 6000481 Socket up module	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>SL SERIES</u> <u>QSK</u> Socket up	6000550 6000471 1 6000550 6000471 1 6000550 6000471 1 6000550 SMT Modu
<u>SI5010 1101441</u> <u>SI5011 1101506</u> <u>SI5011 1101442</u> DUAL: Part Number	1101441 1101506 1101442	800/1900 800/1900 800/1900 Frequency	DO Rev A  1xRTT CDMA/ EV DO Rev A  1xRTT CDMA/ EV DO Rev A  1xRTT CDMA/ EV DO Rev A <b>Technology</b> GSM/GPRS/ EDGE/UMTS/HSPA/E	No No Open AT	-40-+85 -40-+85	Yes Yes Yes	Yes No No	Yes Yes Yes	FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT FCC/IC/ VERIZON /SPRINT Regulatory	Sprint Verizon Sprint Carrier	1.05.03 1.05.06 1.05.03	25x30x2.35 25x30x2.35 25x30x2.35	6000486 6000480 6000481 Socket up module	<u>QSK</u> <u>SL SERIES</u> <u>QSK</u> <u>SL SERIES</u> <u>QSK</u> Socket up	6000550 6000471 1 6000550 6000471 1 6000550 6000471 1 6000550 SMT Modu

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