

xE910 Family

28.2x28.2x2.2mm : Family Form Factor with LGA Footprint
Pin to pin Compatible across Cellular Counterparts
Operating Temperature Range : -40°C to +85°C

xE866 Family

Ultra Compact Nested 15x25mm LGA Footprint
Operating Temperature: -40°C to +85°C

**LTE Cat-M1
(ME910)**

**LTE Cat-NB1
(NE910)**

**LTE Cat-1
(LE910-Cat1)**

**LTE Cat-4
(LE910C4)**

**LTE Cat-M1
(ME866)**

**LTE Cat-NB1
(NE866)**

**LTE Cat-1
(LE866)**

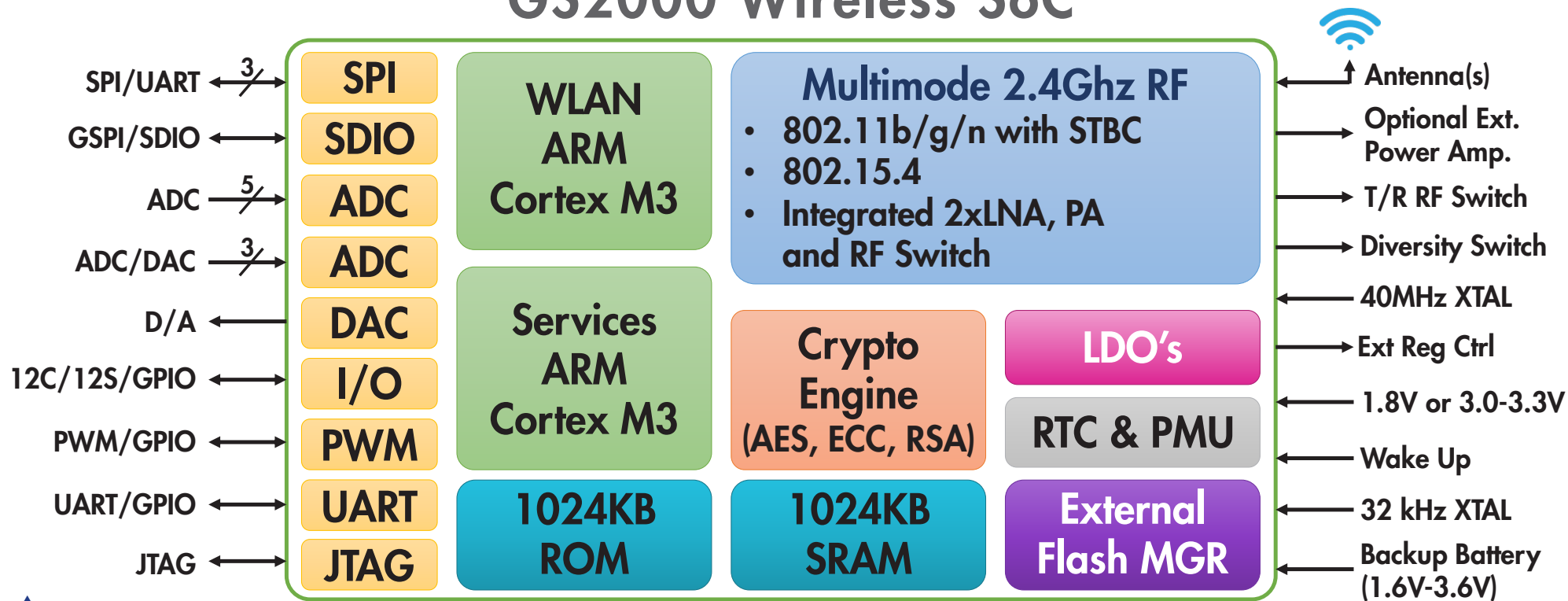
	LTE Cat-M1 (ME910)	LTE Cat-NB1 (NE910)	LTE Cat-1 (LE910-Cat1)	LTE Cat-4 (LE910C4)	LTE Cat-M1 (ME866)	LTE Cat-NB1 (NE866)	LTE Cat-1 (LE866)
Technology & Bands	Verizon: B4(AWS1700), B13(700) AT&T: B2(1900), B4(AWS1700), B12(700)	Band LTE B20, B8	Verizon: B2(1900), B4(AWS1700), B13(700) AT&T: B2(1900), B4(AWS1700), B5(850), B12/B13(700) Sprint: B2/B25(1900), B4(AWS1700), B5/B26(850), B12(700) Europe: B1(2100), B3(1800), B7(2600), B8(900), B20(800)	Verizon: B2(1900), B4(AWS1700), B13(700) AT&T: B2(1900), B4(AWS1700), B5(850), B12/B13(700) Europe: B1(2100), B3(1800), B7(2600), B8(900), B20(800)	Verizon: B4(AWS1700), B13(700) AT&T: B2(1900), B4(AWS1700), B12(700)	Dual band LTE B8/B20	Verizon: B4(AWS1700), B13(700) AT&T: B2(1900), B4(AWS1700), B12(700) Sprint: B2/B25(1900), B4(AWS1700), B5/ B26(850), B12(700)
Data Speed							
DL	300 Kbps	250 Kbps	10 Mbps	150 Mbps	300 Kbps	250 Kbps	10 Mbps
UL	375 Kbps	20 Kbps	5Mbps	50 Mbps	375 Kbps	20 Kbps	5Mbps
Power Consumption	Power Saving Modes & eDRX (Extended time for sleep)	Power Saving Modes & eDRX (Extended time for sleep)	PSM & eDRX to reduce power consumption	High power consumption	Power Saving Modes & eDRX (Extended time for sleep)	Power Saving Modes & eDRX (Extended time for sleep)	PSM & eDRX to reduce power consumption
VoLTE	Future Releases	N/A	Yes	Yes			
Antenna Support	1- SISO	1-SISO	2-MIMO OR 1-SISO	2-MIMO	1- SISO	1-SISO	2-MIMO OR 1-SISO
GNSS Availability	Optional Embedded GNSS	Optional Embedded GNSS	No	No			
Variants	Variants with & without GNSS for AT&T and Verizon	Variants with & without GNSS for Europe	Variants for N. America, Europe, APAC & Global coverage	Variants for North America, Europe & APAC	North America Verizon and AT&T	Europe	North America Verizon, AT&T, APAC

GNSS Modules						GPS Modules	
	SE868-V3	SE873Q5	SL871	SL869L-V2	SL869-V3	SL871-S	SL869L-V2S
Highlights	Low power	Power switching mechanism	2 nd LNA	2 nd LNA	Best pure GNSS tracking performance	Optional LNA	2 nd LNA
Chipset	SS5B02	SS5B02	MT3333	MT3333	Teseo 3	MT3337	MT3337
Constellations	GPS,GLOASS, Galileo & BeiDou	GPS,GLOASS, Galileo & BeiDou	GPS, GLONASS, Galileo & BeiDou	GPS, GLONASS, Galileo & BeiDou	GPS, GLONASS, Galileo, BeiDou	GPS/QZSS	GPS/QZSS
Footprint	11x11x2.6	7x7x1.85	10.1x9.7x2.4	12.2x16x2.4	12.2x16x2.4	10.1x9.7x2.4	12.2x16x2.4
Supply Voltage	1.8	1.8	3-4.3	3-4.3	3-3.6	3-4.3	3-4.3
Power Consumption							
Acq (mW)	76	96	76	86	171	51	56
Track (mW)	70	77	66	80	147	44	53
Low Power Mode (uW)	69	62	21	34	251	17	23

	Dead Reckoning Modules		Integrated Antenna Modules			Timing Modules
	SL878Kx-A	SL869-ADR	SE868Kx-A	SC872-A	SL876Q5-A	SL869-T
Highlights	Antenna module with a complete multi-constellation GNSS receiver	Embedded 6-axis sensor MEMS	Optional LNA & GNSS variants	Fully integrated turn-key solution	Power Switching, RF switch for external antenna support	Accurate & synchronized GNSS timers
Chipset	MT3333/MT3337	Teseo3	MT3333/MT3337	MT3333	SS5B02	Teseo 2
Constellations	GPS, GLONASS, Galileo, BeiDou	GPS, GLONASS, Galileo, BeiDou	GPS only Variants GNSS Variants	GPS, GLONASS, Galileo	GPS, GLONASS, Galileo	GPS, GLONASS, Galileo
Footprint	18x18x6.1	12.2x16x2.4	11x11x6.1	21x22x6.8	11x11.9x2.15	12.2x16x2.4
Supply Voltage	3-4.3	3-3.6	3-4.3	3-4.3	1.8	3-3.6
Power Consumption						
Acq (mW)	93	188	111	99	84	221
Track (mW)	75	158	99	86	70	139
Low Power Mode (uW)	34	221	59	56	68	241

	GS2200M Series	GS2101M Series
Specifications	Footprint: 13.5 x 17.85 x 2.1mm LGA Radio IEEE 802.11 b/g/n single band Interfaces SPI, UART, SDIO, I2C, I2S, GPIO (19), 12bit ADC, 16-bit Sigma Delta ADC, JTAG, PWM (3), RTC (3) Approvals Wi-Fi, FCC, IC, CE, ETSI, TELEC, RoHs	Footprint: 18 x 25 x 2.7mm castellated Radio IEEE 802.11 b/g/n single band Interfaces SPI, UART, SDIO, I2C, I2S, GPIO (16), 16bit sigma delta ADC (3 channels), JTAG, PWM (3), RTC Approvals Wi-Fi, FCC, IC, CE, ETSI, TELEC; RoHS
Key Benefits	Power savings of 97% BETTER than IEEE spec with Telit proprietary technology Fully integrated IoT stack and with networking services Optional integrated chip antenna or U.FL connector Hosted or Host-less Mode for design flexibility	Optimal for sensors and measurement devices Easy smartphone provisioning with concurrent mode or WPS Optional integrated PCB trace antenna or U.FL connector Cost effective

GS2000 Wireless SoC





	LM940	LN940
Form Factor	mini PCIE	M.2 (NGFF)
Technology & Bands	LTE FDD (1-5, 7, 8, 12, 13, 17, 20, 25, 26, 28, 29, 30, 66) LTE TDD (38, 40, 41) 3G (1, 2, 4, 5, 8)	LTE Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 38, 39, 40, 41, 66 UMTS Bands: 1, 2, 3, 4, 5, 6, 8, 19
LTE Category	Cat 11	Cat 9/11
Data Speed		
DL	600 Mbps	600 Mbps
UL	75 Mbps	50 Mbps
Region	Global	APAC, EMEA, Americas
Interfaces	USB 2.0/USB 3.0	USB 2.0/USB 3.0

BLUETOOTH MODULES

	BlueMod +S50	BlueMod+S42
Footprint (mmxmmxmm)	17x10x2.6	17x10x2.6
Bluetooth Standard	Bluetooth 5.0 compatible	Bluetooth 4.2 compatible
Transmit Power	Configurable -20 dBm to +5 dBm	Configurable -20 dBm to +4 dBm
Receive Sensitivity	-94 dBm sensitivity	-96 dBm sensitivity
Range	800 meters Line-of-Sight	300 meters Line-of-Sight
Antenna	Ceramic Antenna	Ceramic Antenna
Current Consumption	Max power consumption transmission: 7.5 mA	Max Power consumption 7.5 mA

Telit Connectivity & Platform Services

- 2G, 3G & 4G LTE Services: Customer plans for data, SMS & voice on tier-one networks
- Simple Terms: One agreement with predictable pricing, no hidden fees or roaming charges
- Secure: Multi-layer security & VPN connections
- Device & Connectivity management through Telit Platform Services