Sierra Wireless® GL Series

GL SERIES BENEFITS

- Compact, durable form-factor
- Simple and quick to deploy
- Supported by AirVantage® for building powerful applications

23.5mm

67mm

60g

51.5mm

Compact and Programmable Modem for IoT Applications

Among the world's smallest ready-to-go cellular modems, the AirLink® GL series plugs into any IoT system and provides 4G LTE connectivity with 3G or 2G fallback, or 3G connectivity with 2G fallback in a snap. Designed to operate in harsh conditions, this plug-and-play solution offers ruggedized connectivity.

Cloud and Connectivity Services

FREE UNLIMITED FOTA UPGRADES

The cloud-based service makes it easy to keep your module firmware updated and deployments connected in the field.

- New firmware automatically published inside the portal
- Upgrade devices in groups or individually with one click
- Monitor and troubleshoot upgrade campaigns in real time
- Save airtime costs with delta based updates

AIRVANTAGE® IOT PLATFORM

The cloud-based IoT platform uniquely provides all of the services you need to create, deploy, and manage wireless IoT solutions.

- Connectivity management
- Application enablement
- Device management

SMART SIM

The GL Series supports standard 2FF plastic SIM and fully supports Sierra Wireless' multi-operator SmartSIM to deliver best in class coverage and superior data service quality.

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	GL8200	GL7600	GL7500
Target Region	Global	EMEA	Americas
4G LTE			
Category		Cat-1	Cat-4
Frequency Bands		B3, B8, B20	B2, B4, B5, B13, B17
3G			
Technology supported	HSPA		HSPA+
Frequency Bands	B1, B2, B5, B6, B8		B2, B5
2G			
Technology supported	EDGE, GSM, GPRS	EDGE, GSM, GPRS	
Frequency Bands	850, 900, 1800, 1900	900, 1800	
DATA SPEED			
Peak Download Rate	Limited by UART	Limited by UART or USB	Limited by UART or USB
Peak Upload Rate	Limited by UART	Limited by UART or USB	Limited by UART or USB
EMBEDDED SOFTWARE			
Secure Boot		✓	✓
Pre-certified Firmware		✓	✓
SYSTEM DRIVERS			
Windows® 7	✓	✓	✓
Windows® 8	✓	✓	✓
Linux Driver: Standard ECM	✓	✓	✓
Android RIL	✓	✓	✓
INTERFACES			
UART	1 RS 232 (Up to 115.2 Kbps)	1 RS 232 (Up to 921 Kbps)	1 RS 232 (Up to 921 Kbps)
USB		1	1
SIM Interface 1.8V/3V	1	1	1
Flash LED Output	Network	Network	Network
HARDWARE			
Dimensions	67 x 51.5 x 23.5 mm	67 x 51.5 x 23.5 mm	67 x 51.5 x 23.5 mm
Antenna			
Connectors	Main	Main, Aux (Diversity)	Main, Aux (Diversity)
Diversity		✓	✓
TEMPERATURE RANGE			
Industrial Grade	-30°C / +75°C	-30°C / +75°C	-30°C / +75°C
POWER			
Power Voltage	DC 4.75V to 32V, 800 mA peak	DC 4.75V to 32V, 600 mA peak	DC 4.75V to 32V, 800 mA peak
Power Consumption (at 12V)			
Active Mode	17 mA	9 mA	8 mA
Sleep Mode	3 mA	1.3 mA	0.8 mA
GSM GPRS Max	190 mA (GPRS class 10, 850/900 MHz)	160 mA (GPRS class 10, 900 MHz)	
WCDMA/HSDPA/HSUPA Max	290 mA (HSDPA Band 8)	240mA (LTE Band 20)	280mA (WCDMA Band 2) ; 220 mA (LTE Band 17)
RADIO MODULE	HL8548	HL7692	HL7588
APPROVALS			
Regulatory	R&TTE, CE, GCF, FCC, IC, RCM, PTCRB	CE/RED, GCF	GCF, FCC, PTCRB, IC
Carrier	Vodafone (planned)		AT&T (planned), Verizon (planned)
CLOUD SERVICES			
Free Unlimited FOTA upgrades	✓	✓	✓
Device Management option	✓	✓	✓
Application Enablement option	✓	✓	✓
Connectivity Management option	✓	✓	✓

About Sierra Wireless

Sierra Wireless is building the Internet of Things with intelligent wireless solutions that empower organizations to innovate in the connected world. We offer the industry's most comprehensive portfolio of 2G, 3G, and 4G embedded modules and gateways, seamlessly integrated with our secure cloud and connectivity services. OEMs and enterprises worldwide trust our innovative solutions to get their connected products and services to market faster.

For more information contact us:

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