



## Sierra Wireless® GL Series



### GL SERIES BENEFITS

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

## 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.



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

**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, visit [www.sierrawireless.com](http://www.sierrawireless.com).