SIERRA WIRELESS®

Sierra Wireless® GL Series

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 2G and 3G connectivity in a snap. Designed to operate in harsh conditions, this plug-and-play solution offers ruggedized connectivity.

ADVANCED SOFTWARE CAPABILITIES

The 2G GL Series features the Open AT® Application Framework to make software application development easier and less expensive. With a 10-year track, its software building blocks and tools are supported by a well-established ecosystem and a forum of an active developer community.

CLOUD AND CONNECTIVITY SERVICES

- Free unlimited FOTA (firmware over-the-air) upgrades
- Device management
- Application enablement
- SIM & managed connectivity

GL SERIES BENEFITS

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

Sierra Wireless
GL SERIES EMBEDDED MODULES

	GL6100	GL6110	GL8200
AIR INTERFACE	GPRS	GPRS	GSM/GPRS/EDGE/HSDPA/HSUPA
FREQUENCY BANDS			
HSPA			B1/B2/B5/B6/B8
EDGE			850/900/1800/1900 MHz
GSM/GPRS	850/900/1800/1900 MHz	850/900/1800/1900 MHz	850/900/1800/1900 MHz
APPROVALS			
Regulatory	R&TTE, CE, GCF, FCC, IC, ICASA, PTCRB	R&TTE, CE, GCF, FCC, IC, NCC, ICASA, PTCRB	R&TTE, CE, GCF, FCC, IC, RCM, PTCRB
Carrier			AT&T (planned), Vodafone (planned)
POWER VOLTAGE	DC 4.75V to 32V, 1.4A peak	DC 4.75V to 32V, 500 mA peak	DC 4.75V to 32V, 800 mA peak
POWER CONSUMPTION	(at 12V)	(at 5V)	(at 12V)
Sleep Mode	4 mA		3 mA
Active Mode	13 mA	60 mA	17 mA
GSM GPRS Max	175 mA (GPRS class 10, 850/900 MHz)	455 mA (GPRS class 10, 850/900 MHz)	190 mA (GPRS class 10, 850/900 MHz)
WCDMA/HSDPA/HSUPA max			290 mA (HSDPA Band 8)
RADIO MODULE	WMP100	WMP100	HL8548
CPU PERFORMANCES			
Processor	ARM946 / DSP	ARM946 / DSP	
Core frequency	104 MHz / 26 MHz	104 MHz / 26 MHz	
User MIPS available	87 MIPS	87 MIPS	
AUDIO			
Codec	HR, FR, EFR, AMR	HR, FR, EFR, AMR	HR, FR, EFR, AMR
Quality	VDA2A	VDA2A	VDA2A
DTMF	✓	✓	✓
INTERFACES			
UART	1 RS 232 (Up to 921.6 Kbps)	-	1 RS 232 (Up to 921.6 Kbps)
USB	-	1 USB 2.0 Full Speed (12 Mbps)	
Timers (HW, SW, Capture)	✓	✓	
Flash LED output	Network	Network	Network
SIM interface	SIM socket (1,8V/3V)	SIM socket (1,8V/3V)	SIM socket (1,8V/3V)
EMBEDDED SIM	✓	✓	
CONTROL OPTIONS	AT commands, C/C++ language	AT commands, C/C++ language	AT Commands
APPLICATION FRAMEWORK	Open AT®	Open AT®	
CLOUD SERVICES	✓	✓	✓
HOST OS COMPATIBILITY			
Windows® Mobile	✓	✓	✓
Windows® CE	✓	✓	✓
Windows® XP	✓	✓	✓
Windows® 7	✓	✓	✓
Windows® Vista	✓	✓	✓
DEVICE 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
OPERATIONAL TEMPERATURE	–30°C to +75°C	–30°C to +75°C	–30°C to +75°C

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