Rugged and Programmable Modems for M2M Applications

AirLink FX and GL Series programmable modems bring global 2G connectivity to any M2M system.

Designed to operate in harsh conditions, these plug-and-play solutions offer ruggedized connectivity.

Featuring a C/C++ application framework and a cloud-based device management service, the AirLink FX and GL Series allow you to simplify and accelerate your M2M deployment.

AIRLINK FX SERIES

The AirLink FX Series provides a highly expandable M2M solution with quad-band EDGE connection.

Expand your capabilities with optional X-cards to add functionalities of your choice such as Ethernet. Use available Sierra Wireless and third-party X-cards or simply develop your own.

AIRLINK GL SERIES

Among the world's smallest ready-to-go cellular modems, the AirLink GL Series plugs into any system and provides quad-band GSM/GPRS connection in a snap. It comes with embedded SIM as an option.

ADVANCED SOFTWARE CAPABILITIES

Open AT Application Framework

The AirLink FX and GL Series feature the Open AT Application Framework to make software application development easier and less expensive. Its software building blocks and tools are field-proven, with a 10-year track record. It allows embedded software development in standard C/C++ language.

A Comprehensive Set of Libraries

Open AT features a best-in-class embedded IP stack, a security library, a location library and a large set of audio APIs.

DEVICE MANAGEMENT

The AirLink FX and GL Series enable access to AirVantage™ Management Service to remotely monitor, troubleshoot and upgrade your systems in the field through a web portal or web 2.0 APIs.

KEY BENEFITS:

- Reach global markets with a rugged plug-and-play modem
- Expand capabilities with the Open AT Application Framework
- Protect your investment with a device-management cloud platform

Sierra Wireless AirLink™
Programmable Modems
FX and GL Series

	FXT009	GL6100/GL6110
AIR INTERFACE		
	EDGE	GSM/GPRS
FREQUENCY BANDS		
GSM/GPRS/EDGE	850/900/1800/1900	850/900/1800/1900
APPROVALS		
	R&TTE, CE, GCF-CC, FCC, IC, A-Tick, E-Mark, PTCRB AT&T, Rogers, Vodafone	R&TTE, CE, GCF-CC, FCC, IC, NCC, PTCRB
POWER		
Alarm	400uA	-
Standby and Idle	2,5mA	3mA
GSM/GPRS max	400mA max (GPRS class 10 33dBm)	400mA max (GPRS class 10 33dBm)
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		
Analog audio	1 x speaker out -1 x micro in	
Digital audio	with expansion card	
Codec	HR, FR, EFR, AMR	HR, FR, EFR, AMR
Quality	VDA2A	VDA2A
Echo Cancellation & noise reduction	✓ (high)	✓ (high)
DTMF	✓	✓
INTERFACES		
UART	2 (1 on internal expansion connector)	GL6100
USB	1	GL6110
SPI	2 on internal expansion connector	
ADC	1 on internal expansion connector	
DAC	1 on internal expansion connector	
GPIO	2 (2,6V-15V) + 7 on internal expansion connector	
RTC	✓	
Timers (HW, SW, Capture)	✓	✓
Interrupts pins	1 on internal expansion connector	
Flash LED output	Network	Network
SIM interface	SIM socket (1,8V/3V)	SIM socket (1,8V/3V)
X-cards	✓	
Ethernet	Optional X-card	
LOCATION SOLUTION		
	Third-party X-card	
EMBEDDED SIM		
		Optional
CONTROL OPTIONS		
	AT commands, C/C++ language	AT commands, C/C++ language
APPLICATION FRAMEWORK		
	Open AT	Open AT
DEVICE MANAGEMENT		
	AirVantage Management Service	AirVantage Management Service
DEVICE DIMENSIONS		
	89 x 60 x 30 mm	67 x 51,5 x 23,5 mm
OPERATIONAL TEMPERATURE		
	-30°C to +75°C	-30°C to +75°C