



AirLink® LX40 LTE Router

BENEFITS

- Out-of-Box LTE Connectivity: Add LTE connectivity to your existing equipment
- 150 Mbps LTE with optional Wi-Fi, plus LTE-M/NB-IoT version with extended coverage and reach for challenging locations
- Enables edge processing with secure embedded application framework (ALEOS Application Framework)
- Integrated 7-36VDC industrial grade power supply and -30C to +65C temperature range to provide superior reliability without need for additional power conditioning or adapters
- Power-over-Ethernet powered device (PD) for fixed low power applications
- ALMS Cloud or AMM On-Premises
 Management single pane device
 management across all devices

IDEAL APPLICATIONS

Primary cellular connectivity for:

- IoT/M2M
- Cameras and Security
- Digital Signage
- Building Automation
- ATMs, Kiosks, and Point of Sale
- Smart Lockers
- Industrial Process Automation

Compact LTE Router for IoT Applications

The AirLink® LX40 is a compact LTE and LTE-M / NB-IoT router for IoT/M2M applications, offering "out-of-the box" connectivity that is simple to install and easy to manage.

The LX40 provides purpose-built, secure, managed LTE networking for applications such as Cameras, Security, Point-of-Sale terminals and Smart Lockers. The LX40 is also ideal for connecting industrial, remote data logging and sensing equipment in protected (indoor) locations and enables processing of IoT data at the edge.

As part of the AirLink Essential series, the LX40 is designed to meet the environmental and performance requirements of these applications, while delivering superior reliability and uninterrupted operation in fixed, indoor and protected outdoor environments.

LX40 is available with optional Wi-Fi with Dual Band 802.11ac to provide an access point or to connect to local Wi-Fi networks.

Purpose-Built, Secure, Reliable, Managed Cellular LTE Networking



Application Example - Digital Signage

	LX40			
	North America	EMEA	Australia & New Zealand	l Global
	LTE			LTE-M/NB-IoT
LTE CATEGORY	Cat-4 (WP7610)	Cat-4 (WP7607)	Cat-4 (WP7609)	Cat-M1/NB1 (WP7702)
Peak D/L	Up to 150 Mbps	Up to 150 Mbps	Up to 150 Mbps	Cat-M1: 300kbps Cat-NB1: 27kbps
Peak U/L	Up to 50 Mbps	Up to 50 Mbps	Up to 50 Mbps	Cat-M1: 375kbps Cat-NB1: 65kbps
4G LTE Frequency Bands	1900(B2), AWS(B4), 850(B5), 700(B12 700(B13), 700(B14), 700(B17), 1700(B			2100(B1), 1900(B2), 1800(B3), AW5(B4), 850(B5), 900(B8), 700(B12), 700(B13), 700(B17), 850 (B18), 850(B19), 800(B20), 850(B26), 700(B28)
3G WCDMA/HSPA+ Frequency Bands	1900(B2), AWS(B4), 850(B5)	2100(B1), 900(B8)	2100(B1), 850(B5), 900(B8)	
2G GSM/GPRS Frequency Bands		900, 1800		850, 900, 1800, 1900
APPROVALS				
Regulatory	FCC, IC, PTCRB	GCF, CE	GCF, RCM	PTCRB, FCC, GCF, IC, CE
Carrier	Verizon, AT&T		Planned: Telstra	Verizon (Cat-M1), AT&T (Cat-M1)
PART NUMBERS	1104579	1104181	1104183	1104180
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1104573 (WiFi)	1104182 (Wi-Fi)	1104184 (Wi-Fi)	1104100
	Specification		Specification	n
HOST INTERFACES	1 Gigabit RJ-45 Ethernet Port (POE)	SECU	RITY Remote Auther	ntication (LDAP, RADIUS, TACACS+) DMZ
	USB 2.0 Micro-B Connector		Inbound and Ou	utbound Port filtering
	2 SMA antenna connectors (cellular, diversity)		Inbound and Ou	utbound Trusted IP
	1 SMA for LTE-M version 1 RP SMA antenna connector (Wi-Fi	1	MAC Address F	iltering
WI-FI (Optional) INPUT/OUTPUT		1	PCI compatible	
	Dual Band 2.4/5GHz Wi-Fi	٠,١	Secure Firmwa	re Update
	802.11 b/g/n/ac (Wave2 Client Mod	IVLIV		network & asset management application
	Support for 10 clients, WPA2 Enterprise		AGEMENT available in the data center	cloud or licensed platform in the enterprise
	Output power 16dBm per channel	- 14/0.01)		ware upgrade delivery
	Access Point or Client Mode (Wi-Fi as WAN)			ration and template management
	Single SSID Support		_	over the air and local Ethernet connection
	Captive Portal	<u> </u>	0 0	oftware and radio module firmware updates
	Configurable I/O pin on power connector • Digital Inputs: ON Voltage: 2.7 to 36 VDC			ration Templates
	Configurable Pull-ups for dry con		_	onitoring and alerting
	 Digital Open Collector Output > sinking 500 mA Analog Inputs: 0.5-36VDC (range selectable) 		-	oning and airtime activation (where
LAN (ETHERNET/USB)	DHCP Server	EVEN	TS ENGINE Custom event to	riggers and reports
	IP Passthrough		Configurable in	terface, no programming
	VLAN		Event Types: Di	gital Input, Network Parameters, Data Usage,
	Host Interface Watchdog PPPoE			Device Temperature and Voltage Report Types uil, SNMP Trap, TCP (Binary, XML, CSV)
NETWORK AND ROUTIN	NG Network Address Translation Ethe	rnet WAN	Event Actions: I	Drive Relay Output
	Port Forwarding Veriz	on PNTM ENVI		perature: -30°C to +65°C / -22°F to
	NEMO/DMNR IPv6	Gateway		C / +140°F when using PoE)
	VRRP Policy Routing		Storage lempe +185°F	rature: -40°C to +85°C / -40°F to
	Reliable Static Route Dynamic DNS		+ 165 F Humidity: 90% I	RH @ 60°C
VPNINTERFACES			,	IIL-STD-810G conformance to shock,
	IPsec, GRE, and OpenVPN Client			nal shock, and humidity
	Up to 5 concurrent tunnels		IP21 rated ingr	ess protection
	Split Tunnel		_	
	Dead Peer Detection (DPD)	INDL		Certification Bodies Scheme (CB Scheme), UL
ROUTER MANAGEMENT				E.M. LAUNIECE D. L. C.
	AT Command Line Interface (Telnet/ SNMP	SSH)		E-Mark (UN ECE Regulation 10.04), ISO7637- Shock, Vibration, Electrical) Environmental: I, WEEE
	SMS Commands			POUCS DEVCH WEEE

SMS Commands



Environmental: RoHS2, REACH, WEEE

	Specification		
APPLICATION	ALEOS Application Framework (AAF)		
	LUA Scripting Language		
POWER	Input Voltage: 7 to 36 VDC		
	Low voltage disconnect to prevent battery drain		
	Built-in protection against voltage transients		
	Power-over-Ethernet (PoE) powered device		
	Ignition Sense with time delay shutdown		
DIMENSIONS	103 mm (111 mm including connectors) x 79 mm x 25 mm		
	4.1 in (4.4 in including connectors) x 3.1 in x 1.0 in		

^{*}For carrier specific band support please refer to the hardware user guide.

Specification Includes 1st Year

Includes 1st Year AirLink Complete:

- AirLink Management Service (ALMS)
- Direct 24/7 Technical Support
- 3-year standard warranty; optional 2-year warranty extension

1-day Accelerated Hardware Replacement available through participating resellers

In the box: DC Power Cable and Quick Start Guide

Other Accessories (sold separately):

2000579 AC Adapter, 12VDC

6001221 DIN Rail Bracket

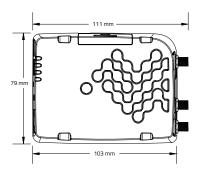
6001110 Cellular Paddle Antenna

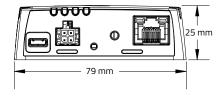
6001111 Wi-Fi 2 4/5Hz Paddle Antenna

6001231 Panel Antenna (LPWA)

For antenna options visit: sierrawireless.com/antennas

DIMENSIONS





AirLink Networking Solution - Related Products

AIRLINK NETWORK MANAGEMENT SOLUTIONS

AIRLINK MANAGEMENT SERVICE (ALMS)



- Secure, Cloud-based network and asset management
- Remotely deploy, configure, monitor and manage AirLink devices
- Carrier-grade, high availability, secure, global infrastructure

AIRLINK MANAGER / MOBILITY MANAGER (AM/AMM)



- Deployable in the enterprise data center (on-premises) or in the cloud
- Advanced, end-to-end network and asset management for both fixed and mobile networks.
- Remote, real-time configuration, control and troubleshooting of AirLink devices

AIRLINK VPN APPLIANCE

AIRLINK CONNECTION MANAGER



- VPN appliance built from the ground up for Airlink routers & gateways
- Simplify deployment and management of your VPN solution, extending the enterprise to the network edge for fixed and mobile endpoints
- Carrier agnostic ACM doesn't require fixed and/or public IP
- Compatible with FIPS 140-2, and always-on VPN capability

About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is an IoT pioneer, empowering businesses and industries to transform and thrive in the connected economy. Customers Start with Sierra because we offer a device-to-cloud solution, comprised of embedded and networking solutions seamlessly integrated with our IoT services. OEMs and enterprises worldwide rely on our expertise in delivering fully integrated solutions to reduce complexity, turn data into intelligence and get their connected products and services to market faster. Sierra Wireless has more than 1,400 employees globally and operates R&D centers in North America, Europe and Asia.

