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The AirLink LX60 provides LTE connectivity and Wi-Fi for primary and secondary/ backup retail

LX60 Product Description

The AirLink® LX60 LTE provides LTE connectivity and Wi-Fi for primary and secondary/backup retail applications including ATMs, kiosks and POS terminals. Also supports taxis and fleets.

AIRLINK LX60 LTE
Cat-4 LTE router capable of 150 Mbps downlink and 50 Mbps uplink speeds.

Ideal Applications

Primary or backup network connectivity for:

- Retail, Digital Signage
- POS
- Taxis and Commercial Fleets
- Small branch offices
- Industrial IoT
- Building automation

Benefits

- Out-of-the box connectivity delivers same day operations
- Enables business continuity through simplified failover
- Connect virtually anywhere – without a need for wires or broadband
- Expand new services with global device connectivity
- Remote router management and comprehensive services through AirLink Complete

LX60 Services and Support

AIRLINK COMPLETE

Maximize your AirLink LX60 hardware investment with AirLink Complete – a comprehensive service package designed to empower you with the tools and support necessary to secure, optimize and effortlessly scale your LX60 deployments.

AirLink Complete includes*:

- **AirLink Management Service (ALMS)** for remote device and security management
- **Expert technical support**
- **Extended hardware warranty** – up to 5 years maximum
- For more information on AirLink Complete visit our _web page_

With active subscription. 1-year subscription included with the LX60 purchase

AIRLINK PREMIUM

Ideal for organizations managing mission-critical vehicle fleets, this service upgrade encompasses all the benefits of AirLink Complete*, enhanced with:

- **Advanced Mobility Reporting***: Offers comprehensive coverage and fleet reporting to monitor your network and vehicles.
- **Advance Replacement***: Provides same-day shipping for in-warranty router replacements, minimizing downtime, spare inventory and keeping your operations running smoothly.

With active subscription.

ANTENNAS

- Tested and certified to provide guaranteed performance with all AirLink routers
- Accelerate deployment with always-on, end-to-end connectivity
- For more information on antennas specific to the LX60 router visit our _web page_

AirLink LX60 – Router Specifications

CELLULAR	
Peak D/L	
North America	Up to 150 Mbps, Cat-4 (WP7610)
EMEA	Up to 150 Mbps, Cat-4 (WP7607)
AU&NZ	Up to 150 Mbps, Cat-4 (WP7609)
Peak U/L	
North America	Up to 50 Mbps
EMEA	Up to 50 Mbps
AU&NZ	Up to 50 Mbps
4G LTE	
Frequency Bands	
North America	B2, B4, B5, B12, B13, B17, B66
EMEA	B1, B3, B7, B8, B20, B28
AU&NZ	B1, B3, B5, B7, B8, B28
3G WCDMA/HSPA+	
Frequency Bands	
North America	B2, B4, B5
EMEA	B1, B8
AU&NZ	B1, B5, B8
2G GSM/GPRS	
EMEA	900, 1800

APPROVALS	
Regulatory	
North America	FCC, IC/ISED, PTCRB
EMEA	GCF, CE
AU&NZ	GCF, RCM
Carrier	
North America	AT&T, Verizon, T-Mobile
PART NUMBERS	
North America	1104580, 1104572 (Wi-Fi + GNSS), 1104493 (Wi-Fi + GNSS + Telemetry)
EMEA	1104046, 1104047 (Wi-Fi + GNSS)
AU&NZ	1104048, 1104049 (Wi-Fi + GNSS)

HOST INTERFACES

2 Gigabit RJ-45 Ethernet ports
RS-232 serial port (DB-9)
USB 2.0 Micro-B Connector
3 SMA antenna connectors (cellular, diversity, GNSS)
1 RP SMA antenna connector (Wi-Fi)
Active GNSS antenna support
Aux Port (RS-485/GPIO)

SECURITY

Remote Authentication (LDAP, RADIUS, TACACS+) DMZ
Inbound and Outbound Port filtering
Inbound and Outbound Trusted IP
MAC Address Filtering
Secure Firmware Update

AirLink LX60 – Router Specifications

SATELLITE NAVIGATION GNSS (OPTIONAL)

Dedicated 48 channel GNSS Receiver supporting GPS, GLONASS, BeiDou, Galileo
Tracking Sensitivity: -162 dBm
Reports (Update Rate 1Hz): NMEA, TAIP
Reliable Store and Forward via serial, TCP or UDP
Inertial Navigation Sensors (Accelerometer and Gyro)

WI-FI (Optional)

Dual Band 2.4/5GHz Wi-Fi
802.11 b/g/n/ac (Wave2 Client Mode)
Support for 10 clients, WPA2 Enterprise
Output power 16dBm
Access Point or Client Mode (Wi-Fi as WAN)
Single SSID Support
Captive Portal

LAN (ETHERNET/USB)

DHCP Server
IP Passthrough
VLAN
Host Interface Watchdog
PPPoE

ENVIRONMENTAL

Temperature	**Operating Temperature:** -20°C to +65°C / -4°F to +149°F **Storage Temperature:** -40°C to +85°C / -40°F to +185°F Humidity: 90% RH @ 60°C
	Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity IP20 rated ingress protection

POWER

Input/Operating Voltage	7 to 36 VDC
Power modes	Low voltage disconnect to prevent battery drain Built-in protection against voltage transients including 5 VDC engine cranking Ignition Sense with time delay shutdown

INPUT/OUTPUT

Configurable I/O (5 pins total)
- 5 Digital Inputs: ON Voltage: 2.7 to 36 VDC
- 1 Digital Open Collector Output > sinking 300 mA
- 3 Analog Inputs: 0.5-5/0.5-10 VDC (range selectable)
- Configurable Pull-ups for dry contact input

For carrier specific band support please refer to the hardware user guide.

SERIAL

TCP/U DP PAD Mode
Modbus (ASCII, RTU, Variable)
PPP
DNP3 Interoperability

NETWORK AND ROUTING

Network Address Translation (NAT) Reliable Static Route
Port Forwarding Dynamic DNS
Policy Routing Verizon PNTM
NEMO/DMNR IPV6 Gateway
VRRP

VPN

IPsec, GRE, and OpenVPN Client
Up to 5 concurrent tunnels
Split Tunnel
Dead Peer Detection (DPD)

ROUTER MANAGEMENT INTERFACES

Local web user interface
AT Command Line Interface (Telnet/SSH/Serial)
SNMP
SMS Commands

APPLICATION FRAMEWORK

ALEOS Application Framework (AAF)
LUA Scripting Language

EVENTS ENGINE

Custom event triggers and reports
Configurable interface, no programming
Event Types: Digital Input, Network Parameters, Data Usage, Timer, Power, Device Temperature and Voltage
Report Types: RAP, SMS, Email, SNMP Trap, TCP (Binary, XML, CSV)
Event Actions: Drive Relay Output

VEHICLE TELEMETRY

OBD II/ J1939 interface over serial (optional)
Diagnostic real time alerts/reports (via AMM)

INDUSTRY CERTIFICATIONS

Safety	IECE Certification Bodies Scheme (CB Scheme), UL 60950
Vehicle Usage	ISO7637-2, SAE J1455 (Shock, Vibration, Electrical)
Environmental	RoHS2, REACH, WEEE
Hazardous Environments	Class 1 Div 2 - Ambient temperatures of 0°C to +60°C

AirLink LX60 – Router Specifications

AIRLINK COMPLETE *(1 Year Included With Router Purchase)*	
Support	24/7 technical support*
Hardware Warranty	1-year standard hardware warranty Extended hardware warranty up to 5 years with current subscription**
Device Management	AirLink Management Service (ALMS)*
Software Updates	Unrestricted critical firmware updates through at least December 31st, 2029

AIRLINK PREMIUM *(Optional Upgrade)* Includes All Airlink Complete Features* and Adds:	
Advanced Mobility Reporting	Coverage and fleet reporting***
Advance Replacement	Same-day shipping for in-warranty router replacements***

*With current AirLink Complete subscription
**Full warranty terms are available at www.sierrawireless.com/end-user-warranty
***With current AirLink Premium subscription

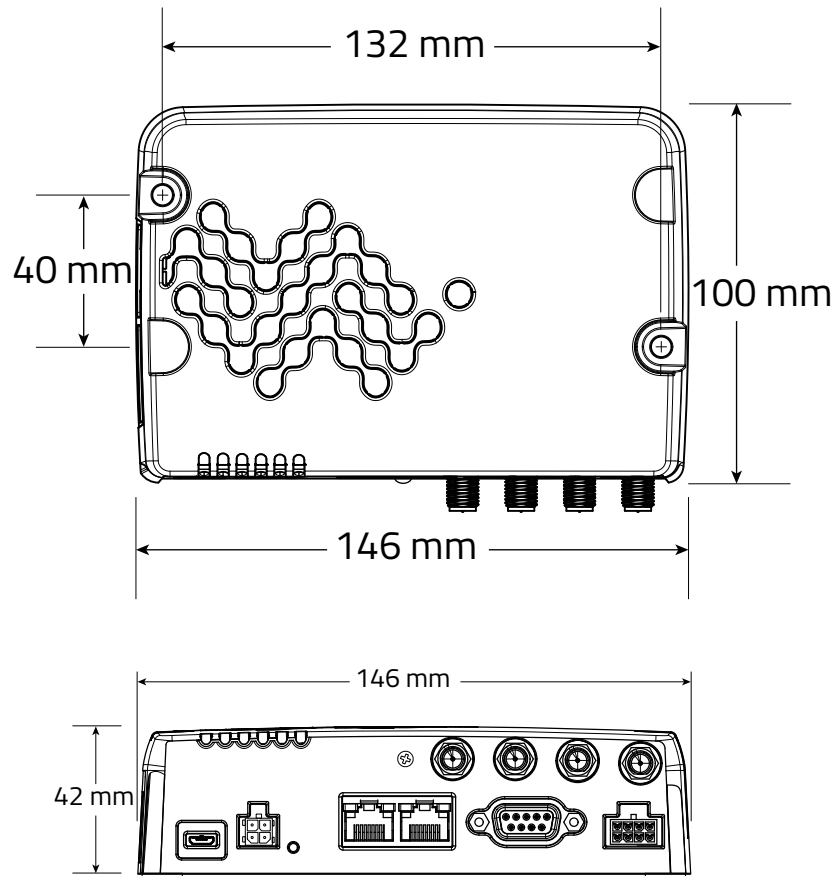| ACCESSORIES	
In the box	LX60, DC power cable, **AirLink Complete leaflet** and quick start guide. Other Accessories (sold separately): • 2000579 AC Adapter, 12VDC • 6001214 DIN Rail Bracket • 6001004 I/O Cable • 6001110 Cellular Paddle Antenna • 6001111 Wi-Fi 2.4/5Hz Paddle Antenna For Antenna options visit: Semtechwireless.com/antennas For Telemetry Variant (1104493): 6001204 OBD-II Y Cable 6001192 J1939 Y Cable

CONSTRUCTION	
	Polycarbonate housings that meet MIL-810/IP20 environmental standards.

DIMENSIONS	
	146 mm x 42 mm x 100 mm (106 mm including connectors) 5.74 in x 1.65 in x 3.93 in (4.17 in including connectors) Weight: 250g

AirLink LX60 – Router Dimensions Diagram

132 mm

40 mm

100 mm

146 mm

146 mm

42 mm

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