SIERRA WIRELESS®

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Connect What's Critical®

AirLink® LX60

BUY

LX60 Product Description

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

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

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

AIRLINK LX60 LTE-M/NB-IOT
LPWA (Low-Power Wide Area) variant for low data rate industrial IoT applications.

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

- Ensures business continuity through simplified failover

- Connect anywhere — without a need for wires or broadband

- Expand new services with global device connectivity

AirLink LX60 – Router Specifications

CELLULAR

Peak D/L	
North America	**LX60 LTE –** Up to 150 Mbps, Cat-4 (WP7610)
EMEA	**LX60 LTE –** Up to 150 Mbps, Cat-4 (WP7607)
APAC	**LX60 LTE –** Up to 150 Mbps, Cat-4 (WP7609)
Global	**LX60 LTE-M/NB-IoT –** Cat-M1/NB1 (WP7702) Cat-M1: 300kbps Cat-NB1: 27kbps
Peak U/L	
North America	**LX60 LTE –** Up to 50 Mbps
EMEA	**LX60 LTE –** Up to 50 Mbps
APAC	**LX60 LTE –** Up to 50 Mbps
Global	**LX60 LTE-M/NB-IoT –** Cat-M1: 375kbps, Cat-NB1: 65kbps

4G LTE

Frequency Bands	
North America	**LX60 LTE –** 1900(B2), AWS(B4), 850(B5), 700(B12), 700(B13), 700(B17), 1700(B66)
EMEA	**LX60 LTE –** 2100(B1), 1800(B3), 2600(B7), 900(B8), 800(B20), 700(B28)
APAC	**LX60 LTE –** 2100(B1), 1800(B3), 850(B5), 2600(B7), 900(B8), 700(B28)
Global	**LX60 LTE-M/NB-IoT –** 2100(B1), 1900(B2), 1800(B3), AWS(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	
North America	**LX60 LTE –** 1900(B2), AWS(B4), 850(B5)
EMEA	**LX60 LTE –** 2100(B1), 900(B8)
APAC	**LX60 LTE –** 2100(B1), 850(B5), 900(B8)

2G GSM/GPRS

EMEA	**LX60 LTE –** 900, 1800
Global	**LX60 LTE-M/NB-IoT –** 850, 900, 1800, 1900

APPROVALS

Regulatory	
North America	**LX60 LTE –** FCC, IC, PTCRB
EMEA	**LX60 LTE –** GCF, CE
APAC	**LX60 LTE –** GCF, RCM
Global	**LX60 LTE-M/NB-IoT –** FCC, IC, PTCRB, GCF, CE
Carrier	
North America	**LX60 LTE –** Verizon, AT&T, T-Mobile
APAC	**LX60 LTE –** Planned: Telstra
Global	**LX60 LTE-M/NB-IoT –** Verizon (Cat-M1), AT&T (Cat-M1)

PART NUMBERS

North America	**LX60 LTE –** 1104580, 1104572 (Wi-Fi + GNSS), 1104493 (Wi-Fi + GNSS + Telemetry)
EMEA	**LX60 LTE –** 1104046, 1104047 (Wi-Fi + GNSS)
APAC	**LX60 LTE –** 1104048, 1104049 (Wi-Fi + GNSS)
Global	**LX60 LTE-M/NB-IoT –** 1104030

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 SMA for LTE-M version
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
PCI compatible
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:** -30°C to +65 C / -22°F to +149 F **Storage Temperature:** -40°C to +85°C / -40°F to +185°F Humidity: 95% RH @ 60C
	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

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 -30°C to +60°C

SUPPORT AND WARRANTY

1 year standard warranty with up to 5 years extended warranty with current AirLink Complete subscription. Unrestricted critical firmware updates.
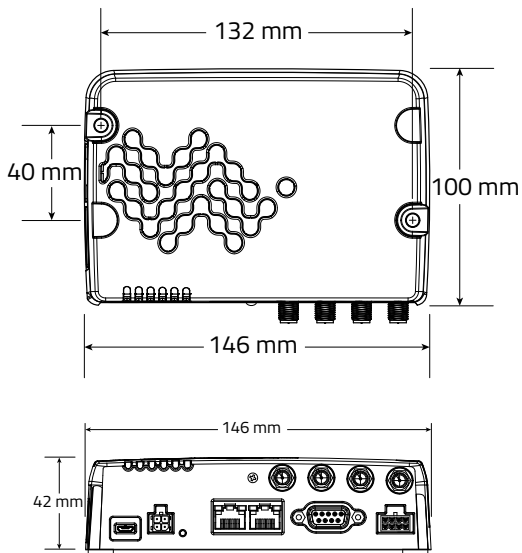
AirLink LX60 – Router Specifications

ACCESSORIES	
In the box	LX60, DC Power Cable and Quick Start Guide Other Accessories (sold separately): • 2000579 AC Adapter, 12VDC • 6001110 Cellular Paddle Antenna • 6001111 Wi-Fi 2.4/5Hz Paddle Antenna • 6001214 DIN Rail Bracket • 6001231 Panel Antenna (LPWA) For Antenna options visit: sierrawireless.com/antennas,

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

LX60 Services and Support

AIRLINK COMPLETE

Maximize your AirLink LX60 hardware investment and ensure your applications operate at peak efficiency by subscribing to our best-in-class service and support including:

- AirLink Management Service (ALMS) network management
- Optional Advanced Mobility Reporting (AMR)
- 24/7/365 Tier 1 technical support from wireless experts via phone or online access
- Extended hardware warranty – up to 5 years
- For more information on AirLink Complete visit our *web page*

PROFESSIONAL SERVICES

Our *Professional Services* experts are well-versed in the latest enterprise networking and security standards. Harvesting experience and lessons-learned over thousands of customer deployments, our best practices are expertly tailored to help you architect and deploy your cutting-edge AirLink solutions.

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

AIRLINK ANTENNAS

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

For more information contact us:

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About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is a world leading IoT solutions provider that combines devices, network services, and software to unlock value in the connected economy. Companies globally are adopting 4G, 5G, and LPWA solutions to improve operational efficiency, create better customer experiences, improve their business models, and create new revenue streams. Sierra Wireless works with its customers to develop the right industry-specific solution for their IoT deployments, whether this is an integrated solution to help connect edge devices to the cloud, a software/API service to manage processes with billions of connected assets, or a platform to extract real-time data to improve business decisions. With more than 25 years of cellular IoT experience, Sierra Wireless is the global partner customers trust to deliver them their next IoT solution.

For more information, visit www.sierrawireless.com.

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