BUY

LX40 Product Description

The AirLink® LX40 is a compact LTE router offering "out-of-the box" LTE and Wi-Fi connectivity that is simple to install. Supports security, digital signage and IoT applications in fixed, protected environments.

Ultra Compact LTE Commercial Router for Security Cameras, Digital Signage, IoT and Small Business

AIRLINK LX40 LTE
Cat 4 LTE router capable of 150 Mbps downlink and 50 Mbps uplink speeds.

Ideal Applications

IoT and enterprise applications including:

- Surveillance cameras
- Digital signage
- POS terminals
- Smart lockers
- Small business connectivity
- Distance learning

Benefits

- Out-of-the-box connectivity speeds time to operation
- Connect to a wide variety of devices from video to low-power IoT
- Compact size helps expand application deployment
- Leverage the world of IoT to drive new business opportunities

AirLink LX40 – Router Specifications

CELLULAR	
Peak D/L	
North America	**LX40 LTE –** Up to 150 Mbps, Cat-4 (WP7610)
EMEA	**LX40 LTE –** Up to 150 Mbps, Cat-4 (WP7607)
AU&NZ	**LX40 LTE –** Up to 150 Mbps, Cat-4 (WP7609)
Peak U/L	
North America	**LX40 LTE –** Up to 50 Mbps
EMEA	**LX40 LTE –** Up to 50 Mbps
AU&NZ	**LX40 LTE –** Up to 50 Mbps

4G LTE	
Frequency Bands	
North America	**LX40 LTE –** B1, B4, B5, B12, B13, B14, B17, B66
EMEA	**LX40 LTE –** B1, B3, B7, B8, B20, B28
AU&NZ	**LX40 LTE –** B1, B3, B5, B7, B8, B28

3G WCDMA/HSPA+	
Frequency Bands	
North America	**LX40 LTE –** B2, B4, B5
EMEA	**LX40 LTE –** B1, B8
AU&NZ	**LX40 LTE –** B1, B5, B8

2G GSM/GPRS	
EMEA	**LX40 LTE –** 900, 1800

APPROVALS	
Regulatory	
North America	**LX40 LTE –** FCC, IC, PTCRB
EMEA	**LX40 LTE –** GCF, CE
AU&NZ	**LX40 LTE –** GCF, RCM
Carrier	
North America	**LX40 LTE –** AT&T, Verizon, T-Mobile

PART NUMBERS	
North America	**LX40 LTE –** 1104579, 1104573 (WiFi)
EMEA	**LX40 LTE –** 1104181, 1104182 (Wi-Fi)
AU&NZ	**LX40 LTE –** 1104183, 1104184 (Wi-Fi)

HOST INTERFACES
1 Gigabit RJ-45 Ethernet Port (POE)
USB 2.0 Micro-B Connector
2 SMA antenna connectors (cellular, diversity)
1 RP SMA antenna connector (Wi-Fi)

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 LX40 – Router Specifications

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 per channel
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 (+60°C / +140°F when using PoE) **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 IP21 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 Power-over-Ethernet (PoE) powered device Ignition Sense with time delay shutdown

INPUT/OUTPUT

Configurable I/O pin on power connector
- Digital Inputs: ON Voltage: 2.7 to 36 VDC
- Configurable Pull-ups for dry contact input
- Digital Open Collector Output > sinking 500 mA
- Analog Inputs: 0.5-36VDC (range selectable

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

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)
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	IECEE Certification Bodies Scheme (CB Scheme), UL 60950
Vehicle Usage	E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock, Vibration, Electrical)
Environmental	RoHS2, REACH, WEEE
Public Safety	FirstNet®

SUPPORT AND WARRANTY

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

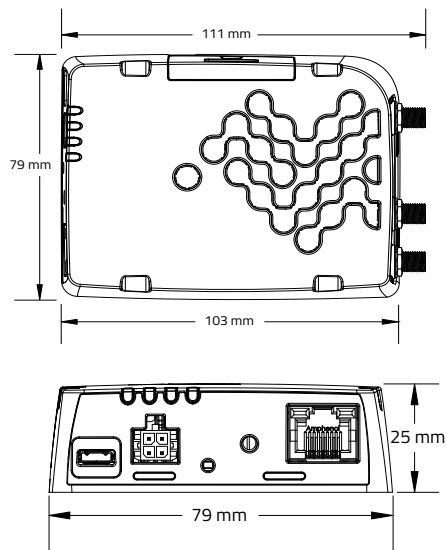## AirLink LX40 – Router Specifications

ACCESSORIES	
In the box	LX40, 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 For antenna options visit: sierrawireless.com/antennas

CONSTRUCTION	
	Polycarbonate housings that meet MIL-810/IP21 environmental standards.

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 Weight: 250g

LX40 Services and Support

AIRLINK COMPLETE

Maximize your AirLink LX40 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 LX40 router visit our _web page_

Contact MCA
Cellular Networking
Solutions (CNS) Team

605 Eastowne Drive
Chapel Hill, NC 27514

888.550.8728

cnsinfo@callmc.com

https://lte.callmc.com

sierrawireless.com