



5G High-Performance Multi-Network Router for Public Safety, Field Service Fleets and Mission-Critical Fixed Applications



## Benefits

- Designed for fixed and mobile mission and business-critical applications that require ultimate connectivity and reliability
- Real-time connectivity with unmatched uplink and downlink speeds using 5G, LTE, Wi-Fi-6, and 5 Gbps Ethernet technology
- “Always-on” connectivity delivers consistent primary and backup connectivity for public and private networks using AirLink Cognitive Wireless
- Simplified set up and useability with new AirLink OS and upgraded AirLink Management Service (ALMS)
- New AirLink Premium with ALMS Out-of-Band Management provides zero-touch set up and reduced service calls
- Ready for your Edge computing workloads

## XR80 Product Description

The supercharged AirLink XR80 is optimized for fixed and mobile applications. The available dual-5G cellular radio and 4X5 MIMO Wi-Fi 6 delivers flexibility for customized configurations. The AirLink XR80 supports complete device-to-cloud security, reduces your total cost of ownership with ALMS Out-of-Band management, and with the cartridge-based design, enables long-term expandability and upgradability.

### AIRLINK XR80 5G

Rugged 5G router capable of 4.14 Gbps download and 660 Mbps upload. Wi-Fi optional.

## A Fully Integrated Solution

The AirLink XR80 is a fully-supported, out-of-the box solution complete with integrated device management and 24/7 technical support.

## Ideal Applications

Mobile mission critical applications in public safety and field service fleets, Fixed Wireless Access, SCADA, Edge and industrial IoT.

- Ambulance/EMS
- Law Enforcement
- Utility Bucket Trucks
- Commercial Fleets
- Manufacturing
- Fixed Utility Applications
- Pipeline monitoring
- Remote Learning
- Retail, Digital Signage and Security

## XR80 APPLICATION EXAMPLES



## AIRLINK XR80 – PERFORMANCE SERIES ROUTER

Top Features	Device Variant	Specifications
<b>Cellular Connectivity Supported</b>	AirLink XR80 5G	5G – Up to 4.14 Gbps DL/660 Mbps UL 4G LTE Cat 20 - Up to 2 Gbps DL/210 Mbps UL Optional dual 5G cellular LPWA exclusively for ALMS Out-of-Band Management CBRS for Private Networks
<b>Navigation</b>	All	Assisted GNSS with inertial dead reckoning and integrated vehicle telemetry via ODBII/CAN
<b>Wi-Fi</b>	All - Option	4x4 MIMO Wi-Fi 6 AP/STA up to 2.4Gbps 1x1 MIMO Wi-Fi 6 STA Rx only Support for 128 clients and WPA2/3Enterprise High output power 23 dBm (per chain)
<b>Host Interfaces</b>	All	All WAN/LAN interfaces use Sierra Cognitive Wireless and Data Path Acceleration Architecture Main Body: 3x RJ-45 Ethernet ports (1x 5Gbps with PTP IEEE 1588, 2x 1Gbps) With Expansion: 4x RJ-45 Ethernet ports (1x 5Gbps with PTP IEEE 1588, 4x 1Gbps) Dual SIM Slots. Dual RS-232 serial on RJ-45 Aux Port (GPIO/CAN), USB 3.2 type-C port.
<b>Security</b>	All	All Sierra Wireless security features including secure boot and secure firmware update AAA: 802.1x/Radius authentication Stateful firewall with port forwarding and DMZ WPA2/3 Personal/Enterprise WLAN Encryption and FIPS 140-2
<b>Construction</b>	All	Aluminum die cast housing rated to IP64 and Mil-STD 810G
<b>Industry Certifications</b>	All	Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (72/245/EEC, 2009/19/EC), ISO7637-2, SAE J1455 (Shock & Vibration) Environmental: RoHS2, REACH, WEEE Rail Usage: EN50155 (Rolling Stock)
<b>Dimensions</b>	All	Main body: 170mm x 220mm x 53mm (6.69in x 8.66in x 2.08in) With cartridge: 220mm x 220mm x 53mm (8.66in x 8.66in x 2.08in)



## XR80 Services and Support

**AirLink Complete:** Maximize your AirLink XR80 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

**VPN:** AirLink Connection Manager (ACM) is a mobile-optimized VPN solution that securely extends the enterprise network to the vehicle.

**Professional Services:** Full product life-cycle services including solution consulting and solution implementation services delivered by Sierra Wireless Network Engineers and Program Managers.

### About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is the leading IoT solutions provider that combines devices, network and software to unlock value in the connected economy. Companies globally are adopting IoT to improve operational efficiency, create better customer experiences, improve their business models and create new revenue streams. Whether it's a solution to help a business securely connect edge devices to the cloud, or a software/API solution to help manage processes associated with billions of connected assets, or a platform to extract real-time data to make the best business decisions, Sierra Wireless will work with you to create the right industry-specific solution for your next IoT endeavor.

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