

XR80

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



Key Features

- 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, Wi-Fi 6 and 5Gbps 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 5X4 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.

A Fully Integrated Solution

The AirLink XR80 is a fully-supported, out-of-the-box solution with integrated device management and 24/7 technical support. AirLink Connection Manager delivers complete VPN security and our AirLink Professional Services maximizes your system performance and customer satisfaction.

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



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AIRLINK XR80 – PERFORMANCE SERIES ROUTER

Top Features	Specifications
Cellular Connectivity Supported	5G – Up to 4.1 Gbps DL/660 Mbps UL 4G LTE-A Pro CAT20 – Up to 2 Gbps DL/210 Mbps UL
Navigation	Assisted GNSS with inertial dead reckoning and integrated vehicle telemetry via ODBII/CAN
Wi-Fi	4x4 MIMO Wi-Fi 6 AP/STA up to 2.4 Gbps 1x1 MIMO Wi-Fi 6 STA Support for 128 clients and WPA2/3 Enterprise High output power 21 dBm (per chain)
Host Interfaces	All WAN/LAN interfaces use Sierra Cognitive Wireless and Data Path Acceleration Architecture Single 5G: 3x RJ-45 Ethernet ports (1x5 Gbps with PTP IEEE 1588, 2x 1 Gbps) Dual 5G: 4x RJ-45 Ethernet ports (1x5 Gbps with PTP IEEE 1588, 4x1 Gbps) Dual SIM Slots. Dual RS-232 serial on RJ-45 Aux Port (GPIO/CAN), USB 3.2 type-C port, Bluetooth (future support)
Security	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
Construction	Aluminum die cast housing rated to IP64 and Mil-STD 810G
Industry Certifications	Safety: IECCE Certification Bodies Scheme (CB Scheme), UL 60950 Vehicle Usage: E-Mark (72 / 245 / EEC, 2009/19/EC), ISO7637-2, SAEJ1455 (Shock & Vibration) Environmental:RoHS2, REACH, WEEE Rail Usage: EN50155 (Rolling Stock)
Dimensions	Single 5G: 170mmx 220mm x53mm (6.69in x 8.66in x 2.08in) Dual 5G: 220mm x220mm x53mm (8.66in x 8.66in x 2.08in)

XR80 APPLICATION EXAMPLES



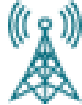
ADVANCED NETWORK MANAGEMENT



ENTERPRISE



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WI-FI



PRIVATE BAND 40 & CBRS



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