

# Wi-Fi X-card for AirLink GX Platform Devices

## 802.11b/g/n Option for AirLink Gateways

### UNPARALLELED VERSATILITY

Sierra Wireless has designed our GX platform devices with one of the most unique features on the market. An expansion slot creates limitless opportunities for flexibility and scalability for customers in a wide array of markets and applications. The expansion slot provides versatility by enabling hardware feature additions to the GX400 and GX440 gateways, with no modifications required to the base hardware design. All expansion cards utilize the same physical form-factor and electrical interface to the AirLink gateway.

The rugged design, included active GPS functionality, comprehensive configuration of over 500 options, and remote management capabilities make the AirLink GX400 and GX440 a perfect solution for mobile or fixed applications. The addition of the expansion slot to the design makes the GX platform the most versatile cellular device on the market.

### EXPANDING FUNCTIONALITY, EXTENDING YOUR BUSINESS

Utilizing the expansion slot in the AirLink GX platform of intelligent gateways, the Wi-Fi Expansion Card (Wi-Fi X-Card) dramatically increases the capability of the device by providing 802.11b/g/n Access Point (hotspot) or Client Mode functionality. This enables applications for mobile office, temporary office locations, mission critical environments and more.

Customers can order their GX device with the Wi-Fi expansion card pre-installed at the time of original order or retrofit the X-card into a already deployed GX400 or GX440 by sending it to an authorized installation center.

### WI-FI ACCESS POINT (HOTSPOT) OR CLIENT

The Wi-Fi X-Card is a standards-based wireless local-area network (WLAN) card, enabling communication with any other WLAN equipped device, including laptops, smartphones, printers, fingerprint readers and much more. The card seamlessly integrates with the GX device and configuration is easily performed through the web-based graphical interface and ALEOS embedded intelligence. The Wi-Fi X-Card can also operate in client mode giving you the ability to connect to your own Access Point and give the flexibility of using your Wi-Fi network instead of the cellular network when available. All Wi-Fi parameter settings (such as security encryption) are available through point-and-click menu-driven web pages.



### KEY BENEFITS:

- Reduced cost to add Wi-Fi to your deployment of existing GX devices
- Greater flexibility by using Wi-Fi in Access Point or Client Mode
- Start with basic connectivity and scale when your deployment is ready
- Enhanced operations through remote management, control and configuration



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## Technical Specifications

### FEATURES

- IEEE 802.11b/g/n
- Access point & client modes
- Integrated antenna connector
- Security: WEP, WEA, WPA-2 (AES)

### SECURITY

- Onboard IPsec SSL VPN Client
- VPN Pass-Through (AH protocols)
- GRE Tunneling
- MAC Address Filtering
- IP Filtering
- Port Filtering
- SSH
- HTTPS

### SPECIFICATIONS

- Frequency: 2.4 GHz
- Modulation: OFDM (Orthogonal Frequency Division Multiplexing), DSSS (Direct Sequence Spread Spectrum)
- Antenna Connector: SMA-RP (reverse-polarity)
- Throughput: Up to 150Mbps (theoretical) utilizing 802.11n
- Output Power: 15dBm
- Hotspot: up to 8 clients

### ENVIRONMENTAL

- Operating Temperature: -30°C to +70°C / -22°F to +158°F
- Storage Temperature: -40°C to +85°C / -40°F to +185°F

### DIMENSIONS

- 58.0 mm x 35.7 mm  
2.2 in x 1.4 in

### STANDARDS/APPROVALS

- FCC
- Mil-Std-810F
- IEC 60068
- IEC 61000
- IP64



### APPLICATIONS:

- Field Service/Mobile Office
- First Responders
- Small Office/Home Office
- Retail / Point-of-Sale
- Temporary Office Locations
- Digital Signage

