

Sierra Wireless Sierra Wireless GX Series

Device Driver Specification. DYNAMICALLY GENERATED; DO NOT MODIFY.

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A Whole World of Integration



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1 Document Versions

| Version | Date | Name | Change |
|------------|------------|------|-------------------|
| 1.0 | 2018-09-26 | CE | Document Created. |

2 Referenced Documents

| Document | Version | Description |
|--|---------|---|
| Driver Project Requirements (DDK-PR) | 1.0 | The Sierra Wireless Sierra Wireless GX Series driver must conform to all the requirements detailed in this document. |
| Driver Connection and Online States Requirements (DDK-DC) | 1.0 | The Sierra Wireless Sierra Wireless GX Series driver must conform to all requirements in this document detailed in the section: Device Connection and Online States |

3 Manufacturer

Name Sierra Wireless



Website <http://manufacturer>

Description Sierra Wireless GX Series Modem

4 IPSecurityCenter Versions

The driver must be compatible with the following IPSecurityCenter versions:

| IPSecurityCenter Version | Supported |
|--------------------------|-------------------------------------|
| 5.7 | <input checked="" type="checkbox"/> |

5 Operating Systems

5.1 Client Side Functionality

| | |
|-------------------|-----------|
| Operating Systems | Supported |
|-------------------|-----------|

5.2 Server Side Functionality

| Operating Systems | Supported |
|------------------------|-------------------------------------|
| Windows Server 2008 R2 | <input checked="" type="checkbox"/> |
| Windows Server 2012 | <input checked="" type="checkbox"/> |

6 Models / Firmware Versions

| Model | Versions | SDK |
|-------|----------|-----|
|-------|----------|-----|

7 Hardware Configurations

TODO

**Build configuration diagram
linking servers together.**

(ConfigurationDiagram.png)

8 Driver Package

The driver package is named: `cnl_ipsc_sierrawireless_sierrawirelessgxseries_[BUILD-VERSION].ipsc`

9 Driver Features

9.1 Sierra Wireless GX Series

9.1.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

| Feature | |
|-----------------------------------|------|
| DC1.0 Device Online Status | None |
| DC2.0 Authentication | None |

9.1.2 Video

This device does not support video.

9.1.3 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

| Name | Type | Description | Default Value & Ranges |
|-----------------------|------|---|--------------------------------|
| MonitoringPort | int | The port to be used for hosting the listener thread | Default: 11000 Min: Max: |

9.1.4 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

9.1.4.1 *Send Message*

Send a Message

Returns void.

Performance

The method must complete within 2 seconds.

Parameters

| Name | Type | Description | Default Value and Ranges |
|---------------------------|--------|---|--------------------------|
| Destination Number | string | The destination number of the message | Default: Min: Max: |
| Message | string | The message to send | Default: Min: Max: |
| Message Reference | string | A reference used in the failed event if necessary | Default: Min: Max: |

9.1.5 Events

General requirements for events can be found in [Driver Project Requirements](#).

9.1.5.1 SMS Received

SMS Received Event

Performance

The driver must be able to handle 4000 events per hour.

Event Properties

| Name | Type | Description |
|---------------|--------|--------------------|
| Sender Number | string | The senders number |
| Message | string | Message |

9.1.5.2

Performance

The driver must be able to handle 4000 events per hour.

Event Properties

| Name | Type | Description |
|--------------------|--------|--------------------|
| Destination Number | string | Destination Number |
| Message | string | Message |
| Message Reference | string | Message Reference |
| Error Message | string | |

9.1.5.3 Lost Heart Beat

Lost Heart Beat

Performance

The driver must be able to handle 4000 events per hour.

Event Properties

| Name | Type | Description |
|-----------|-----------------|-------------|
| Last Beat | System.DateTime | Last Beat |

10 Installation

10.1 Prerequisites

Install the SDK on all machines running the following services / software:

- Connection Manager

10.2 Driver Installation

- Start the IPSecurityCenter™ client and any supporting services
- Open the Device Driver Manager from the System Configuration
- Click the ***Install*** button
- Select the Sierra Wireless Sierra Wireless GX Series Driver Package in the Open file dialog
- Wait for the driver to be uploaded

The driver packages should be listed in the Device Driver Manager.

Additional Installation Details

10.2.1 Device Configuration

- Right click in a folder (e.g. Devices) in the System Configuration: **New** → **Device On** → **Server**
- Click **Next** on the introduction
- Select **Sierra Wireless** in the **Device Manufacturer** list
- Select **Sierra Wireless GX Series** in the Available Devices list
- Click **Next** to enter the device details: Enter the Sierra Wireless Sierra Wireless GX Series hostname or IP address, the port (use 0 to use the default port), and user name and password if integrated security is not being used.
- Click **Next** and **Finish** to add the device.
- Enable the device to bring it online.

Additional Configuration Details

10.2.2 Driver Compatibility

The following devices are known to be incompatible with the Sierra Wireless Sierra Wireless GX Series.

| Model |
|-------|
|-------|