Product Security Advisory: AirVantage Security Advisory

Sierra Wireless Advisory: SWI-PSA-2023-002 ([link to latest version](#))

Date 12 MAY 2023

Summary

The AirVantage platform is vulnerable to an unauthorized attacker registering previously unregistered devices on the AirVantage platform when the owner has not disabled the AirVantage Management Service on the devices or registered the device. This could enable an attacker to configure, manage, and execute AT commands on an unsuspecting user's devices.

Additionally, an AirVantage online Warranty Checker tool vulnerability could allow an attacker to perform bulk enumeration of IMEI and Serial Numbers pairs.

For advice on how to maintain a strong security posture for your AirVantage connectable device, please contact Sierra Wireless support personnel using the information provided at the end of this bulletin.

CVE ID	Description	CVSSv3
CVE-2023-31279	Improper Authentication	CVSS:3.0/AV:N/AC:L/PR:L/UI:N/S:U/C:N/I:H/A:H
CVE-2023-31280	Exposure of Sensitive Information to an Unauthorized Actor	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:N/A:N

Affected Products

AirVantage, AirVantage-Capable Devices

Scope of Impact

CVE-2023-31279: Devices not registered in AirVantage with the AirVantage Management Service enabled.

CVE-2023-31280: All Sierra Wireless devices.

Recommended Actions

Sierra Wireless has updated the AirVantage Warranty Checker to no longer return the IMEI and Serial Number in addition to the warranty status when the Serial Number or IMEI is used to look up warranty status, preventing the disclosure of additional information not necessary to confirm the warranty status.

Sierra Wireless continues to encourage users to register their devices on the AirVantage platform to enable remote management capabilities for those devices, preventing the possibility of unauthorized device activation or to disable the AirVantage Management Service on devices if management via the AirVantage platform will not be used, eliminating any risk of unauthorized device access.

Credit

Sierra Wireless would like to thank Roni Gavrilov of Otorio for bringing these issues to our attention. We encourage anyone with a security concern related to Sierra Wireless products to please contact us at security@sierrawireless.com.

Support Contact Information

Sierra Wireless Technical Support is available by phone or web portal from 6:00 to 17:00 PST, Monday to Friday.

Phone (Toll-Free): 1-877-687-7795
Web: https://www.sierrawireless.com/support/community-portal/

Security Bulletins

To see the latest security updates from Sierra Wireless, please visit:
https://www.sierrawireless.com/company/security/