Firmware for NPort W2150A/W2250A Series Release Notes

<table>
<thead>
<tr>
<th>Version: v2.2</th>
<th>Build: Build 18082311</th>
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<td>Release Date: Jan 15, 2019</td>
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**Applicable Products**

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
- Improved the fast roaming algorithm.
- In Real COM and TCP server mode, connection will be reset when the connection number has already reached the "max connection number".
- Reduced TCP retransmission timeout based on "TCP alive check time".
- Prevents wireless connections from reconnecting frequently.
- Prevents XSS attacks on webpage.
- Prevents CSRF attacks on webpage.
- Prevents potential command injection on webpage.
- Enhanced client authentication on web login page.
- Removed the wording below the goahead logo.

**Bugs Fixed**
- When fast roaming is enabled, NPort may roam to a non-selected channel.
- Goahead vulnerability(CVE-2017-17562), which caused the webpage to crash.
- Buffer overflow issue on TCP port 4900.

**Changes**
N/A

**Notes**
N/A
**Applicable Products**

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- W2x50A can connect to some APs that are using 802.11n, but cannot launch a web or telnet console.

**Changes**
N/A

**Notes**
N/A
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**New Features**

- Modified firmware structure for security purposes; please upgrade to v1.11 before upgrading to v2.0.

**Enhancements**

- Supports new architecture of NPort W2x50A firmware.

**Changes**

N/A

N/A

N/A
Applicable Products

Supported Operating Systems
N/A

New Features
N/A

Enhancements
• Supports accepting encrypted firmware for v2.0 and above.
• Added a default password.
• Improved the wireless stability when signal strength is low.
• Upgraded openssl to openssl-1.0.2k.
• Upgraded dropbear SSH to dropbear-2016.74.

Bugs Fixed
• When fast roaming is enabled and the wireless signal is better than the roaming threshold for a long time, sometimes data may not be able to be sent out.
• WLAN could not pass RADIUS authentication when security is set to EAP-TLS.
• When bridge mode is enabled, NPort may not function properly after receiving PROFINET packets.

Changes
N/A

Notes
N/A
Applicable Products

Supported Operating Systems
N/A

New Features
N/A

Enhancements
• Supports 802.11n in Infrastructure mode.
• Supports W2X50A-CN.
• Supports WLAN log.
• Supports new site survey on general profile setting page.
• Shows RSSI and current BSSID on WLAN status page.
• Upgraded glibc to v2.18.
• Modified the fast roaming mechanism, which is triggered by low signal (RSSI).
• Removed password related items from snmp.
• Supports import/export by DSU.

Bugs Fixed
• The "Connection goes down" function may not work correctly in Real COM mode for W2250A Port 2.
• Sometimes the device may not be able to establish a wireless connection after booting up.
• W2x50A may not be able to connect to any APs for a long time, and sometimes it cannot recover.
• When fast roaming is enabled and the wireless signal is unstable for a long time, sometimes data may not be able to be sent out.
• When Ethernet bridge is enabled, sometimes data may not be able to be sent out.
• When Ethernet bridge is enabled, IP conflict checks may not work on the WLAN side.
• Ready LED may not blink red when IP conflicts are detected.
• The local time may not be correct when changing the time zone setting.
• DROWN attack issue: ICS-CERT CVE-2016-0800.

Changes
N/A

Notes
N/A