



Firmware for NPort IAW5000A-I/O Series Release Notes

Version: v2.2	Build: Build 20062916
Release Date: Jul 02, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added the password policy function on the NPort IAW5000A-I/O Series, which can be configured by the web console.

Enhancements

- Encoded the password field in email alert/SNMP/Authentication/User table pages.
- Uses an input box for the username field instead of a select bar on the login page.
- Removed the username and password data in the cookies and added the HttpOnly value to Challd in the cookies to protect the device from a cookie hijacking attack.
- Improved the mechanism to generate the Challd of every login session

Bugs Fixed

- A read-only user might have gotten the "write" privilege on the web console.
- The firmware upgrade process failed via the serial console.
- When the Ethernet bridge mode was enabled, the NPort did not enter the safe mode when there was a disruption in communication that exceeded the specified timeout limitation.

Changes

N/A

Notes

N/A



Version: v2.1	Build: Build 20052711
Release Date: Jun 26, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- The device will not keep on roaming between different APs when the fast roaming function is disabled.
- When the fast roaming function is disabled, the device will only associate with one AP unless the wireless connection is disconnected.

Bugs Fixed

- The actual DI signal value and the DI signal value sent to MQTT are now the same.
- The number of DI/DO items to be published to Azure is now the same as that on the NPort.
- The comma on the last item of the DI/DO that is subscribed to the JSON message has been removed.
- The value of the item "WLAN country code" on the overview web page now displays CN on NPort IAW5000A-I/O-CN models, and not N/A anymore.

Changes

N/A

Notes

N/A



Version: v2.0	Build: Build 19041018
Release Date: Apr 10, 2019	

Applicable Products

NPort IAW5000A-I/O Series

Supported Operating Systems

N/A

New Features

- Connects Serial Device to Azure Cloud
- Connects Serial Device to Alibaba Cloud.
- Connects Serial Device to MQTT.
- Connects DIO to Azure Cloud
- Connects DIO to Alibaba Cloud.
- Connects DIO to MQTT.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

- To modify firmware structure for security purposes, please upgrade to v1.2 before upgrading to v2.0



Version: v1.2	Build: Build 18103016
Release Date: Nov 27, 2018	

Applicable Products

NPort IAW5150A-6I/O, NPort IAW5250A-6I/O, NPort IAW5150A-12I/O, NPort IAW5250A-12I/O

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Improved the wireless stability for when signal strength is low.

Bugs Fixed

- When fast roaming was enabled and the wireless signal was better than the roaming threshold for a long time, the data might not be sent out sometimes.
- The NPort might not respond if it received PROFINET packets when bridge mode was enabled.
- WPA2 KRACK vulnerabilities that were associated with these CVE identifiers: CVE-2017-13077, CVE-2017-13078, CVE-2017-13079, CVE-2017-13080, CVE-2017-13081, CVE-2017-13082, CVE-2017-13084, CVE-2017-13086, CVE-2017-13087, and CVE-2017-13088.

Changes

N/A

Notes

N/A



Version: v1.1	Build: Build 17111515
Release Date: Nov 15, 2017	

Applicable Products

NPort IAW5000A-I/O Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Improved the stability of wireless connectivity under low signal strength.

Bugs Fixed

- At times, data could not be send out when fast roaming was enabled and the wireless signal was better than the roaming threshold for a long period.
- The NPort might not respond if it received PROFINET packets when bridge mode was enabled.
- Fixed WPA2 KRACKs vulnerability, which is associated with the following CVE identifiers:
CVE-2017-13077, CVE-2017-13078, CVE-2017-13079, CVE-2017-13080,
CVE-2017-13081, CVE-2017-13082, CVE-2017-13084, CVE-2017-13086,
CVE-2017-13087, and CVE-2017-13088.

Changes

N/A

Notes

N/A



Version: v1.0	Build: Build 16122914
Release Date: Dec 29, 2016	

Applicable Products

NPort IAW5000A-I/O Series

Supported Operating Systems

N/A

New Features

- Newly released.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A