

# **ATWINC15X0**

## **Wi-Fi Add-on Component**

Release Notes

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## Revisions

REVISION	DATE	DESCRIPTION	STATUS	AUTHOR	REVISER
0.1	16/05/2017	Document created	draft	A. Ricci	
0.2	23/06/2017	Add-on component release 1.2.0 added	draft	A. Ricci	
0.3	08/09/2017	Add-on component release 1.3.0 added	release	A. Ricci	

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# 1. Introduction

## 1.1. Description

This document describes the release notes for the SSP WiFi Add-On Framework software for ATWINC1500 module.

## 2. Synergy Wi-Fi framework add-on release notes

### 2.1. ATWINC15X0 Wi-Fi add-on component release 1.2.0-b.15

#### 2.1.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.2.0-b.15
Compatible with Wi-Fi Framework Add-on versions	1.0.0-b.3
Compatible with SSP versions	1.2.0
Release Date	May 12, 2017

#### 2.1.2 Release package supported APIs and functionalities

##### 2.1.2.1 Synergy Wi-Fi Framework with NetX

##### Supported API list

- open	supported
- close	NOT supported
- multicastListAdd	NOT supported
- multicastListDelete	NOT supported
- statisticsGet	supported
- transmit	supported
- provisioningSet	supported
o Station mode	supported
o AP mode	NOT supported
- provisioningGet	supported
- infoGet	supported
- scan	NOT supported
- accessControlListAdd	NOT supported
- accessControlListDelete	NOT supported
- macAddressGet	NOT supported
- macAddressSet	supported
- versionGet	supported

##### Additional notes

Wi-Fi module SSP add-on instantiates an internal thread required for low-level Wi-Fi communication management. Internal thread stack is allocated by means of a static buffer.

### 2.1.2.2 BSD socket API

Not supported.

## 2.2. ATWINC15X0 Wi-Fi add-on component release 1.2.0-b.16

### 2.2.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.2.0-b.16
Compatible with Wi-Fi Framework Add-on versions	1.0.0-b.3
Compatible with SSP versions	1.2.0
Release Date	May 15, 2017

### 2.2.2 Release package supported APIs and functionalities

#### 2.2.2.1 Synergy Wi-Fi Framework with NetX

##### Supported API list

- open	supported
- close	supported
- multicastListAdd	NOT supported
- multicastListDelete	NOT supported
- statisticsGet	supported
- transmit	supported
- provisioningSet	supported
o Station mode	supported
o AP mode	NOT supported
- provisioningGet	supported
- infoGet	supported
- scan	NOT supported
- accessControlListAdd	NOT supported
- accessControlListDelete	NOT supported
- macAddressGet	supported
- macAddressSet	supported
- versionGet	supported

##### Additional notes

Wi-Fi module SSP add-on instantiates an internal thread required for low-level Wi-Fi communication management. Internal thread stack is dynamically allocated. Stack size is defined by means of module parameter.

## 2.3. ATWINC15X0 Wi-Fi add-on component release 1.2.0-b.17

### 2.3.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.2.0-b.17
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Compatible with Wi-Fi Framework Add-on versions	1.0.0-b.3
Compatible with SSP versions	1.2.0
Release Date	Jun. 23, 2017

## 2.3.2 Release package supported APIs and functionalities

### 2.3.2.1 Synergy Wi-Fi Framework with NetX

#### Supported API list

- open	supported
- close	supported
- multicastListAdd	NOT supported
- multicastListDelete	NOT supported
- statisticsGet	supported
- transmit	supported
- provisioningSet	supported
o Station mode	supported
o AP mode	NOT supported
- provisioningGet	supported
- infoGet	supported
- scan	NOT supported
- ACLAdd	NOT supported
- ACLDelete	NOT supported
- macAddressGet	supported
- macAddressSet	supported
- versionGet	supported

#### Additional notes

ATWINC1500 Wi-Fi add-on component release 1.2.0-b.17 is included into release 1.2.0 installer.

Respect to previous release, 1.2.0-b.16 version introduces support for ACLAdd and ACLDelete APIs (replacing accessControlListAdd and accessControlListDelete) in order to match official NSAL release.

### 2.3.2.2 BSD socket API

NOT supported.

## 2.4. ATWINC15X0 Wi-Fi add-on component release 1.2.0

### 2.4.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.2.0
Compatible with Wi-Fi Framework Add-on versions	1.0.0
Compatible with SSP versions	1.2.1
Release Date	Jun. 23, 2017

## 2.4.2 Release package supported APIs and functionalities

### 2.4.2.1 Synergy Wi-Fi Framework with NetX

#### Supported API list

- |                       |               |
|-----------------------|---------------|
| - open                | supported     |
| - close               | supported     |
| - multicastListAdd    | NOT supported |
| - multicastListDelete | NOT supported |
| - statisticsGet       | supported     |
| - transmit            | supported     |
| - provisioningSet     | supported     |
| o Station mode        | supported     |
| o AP mode             | supported     |
| - provisioningGet     | supported     |
| - infoGet             | supported     |
| - scan                | supported     |
| - ACLAdd              | NOT supported |
| - ACLDelete           | NOT supported |
| - macAddressGet       | supported     |
| - macAddressSet       | supported     |
| - versionGet          | supported     |

#### Additional notes

ATWINC1500 Wi-Fi add-on component release 1.2.0 introduces support for SSP 1.2.1.

### 2.4.2.2 BSD socket API

NOT supported.

## 2.5. ATWINC15X0 Wi-Fi add-on component release 1.3.0

### 2.5.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.3.0
Compatible with Wi-Fi Framework Add-on versions	1.3.0
Compatible with SSP versions	1.3.0
Release Date	Sep. 08, 2017

## 2.5.2 Release package supported APIs and functionalities

### 2.5.2.1 Synergy Wi-Fi Framework with NetX

#### Supported API list

- |         |           |
|---------|-----------|
| - open  | supported |
| - close | supported |

- |                       |               |
|-----------------------|---------------|
| - multicastListAdd    | NOT supported |
| - multicastListDelete | NOT supported |
| - statisticsGet       | supported     |
| - transmit            | supported     |
| - provisioningSet     | supported     |
| o Station mode        | supported     |
| o AP mode             | supported     |
| - provisioningGet     | supported     |
| - infoGet             | supported     |
| - scan                | supported     |
| - ACLAdd              | NOT supported |
| - ACLDelete           | NOT supported |
| - macAddressGet       | supported     |
| - macAddressSet       | supported     |
| - versionGet          | supported     |

### Additional notes

ATWINC1500 Wi-Fi add-on component release 1.3.0 introduces support for SSP 1.3.0. Compatibility with previous SSP 1.2.x has been removed.

#### 2.5.2.2 BSD socket API

NOT supported.