

ATWINC15X0

Wi-Fi Add-on Component

Release Notes

All information contained in these materials, including products and product specifications, represents information on the product at the time of publication and is subject to change by RELOC s.r.l. without notice.

Outline

- 1. Introduction 6
 - 1.1. Description 6
- 2. Synergy Wi-Fi framework add-on release notes 6
 - 2.1. ATWINC15X0 Wi-Fi add-on component release 1.2.0-b.15 6
 - 2.1.1 Release information 6
 - 2.1.2 Release package supported APIs and functionalities 6
 - 2.2. ATWINC15X0 Wi-Fi add-on component release 1.2.0-b.16 7
 - 2.2.1 Release information 7
 - 2.2.2 Release package supported APIs and functionalities 7
 - 2.3. ATWINC15X0 Wi-Fi add-on component release 1.2.0-b.17 7
 - 2.3.1 Release information 7
 - 2.3.2 Release package supported APIs and functionalities 8
 - 2.4. ATWINC15X0 Wi-Fi add-on component release 1.2.0 8
 - 2.4.1 Release information 8
 - 2.4.2 Release package supported APIs and functionalities 9
 - 2.5. ATWINC15X0 Wi-Fi add-on component release 1.3.0 9
 - 2.5.1 Release information 9
 - 2.5.2 Release package supported APIs and functionalities 9
 - 2.6. ATWINC15X0 Wi-Fi add-on component release 1.3.2 10
 - 2.6.1 Release information 10
 - 2.6.2 Release package supported APIs and functionalities 10
 - 2.7. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update1 11
 - 2.7.1 Release information 11
 - 2.7.2 Release package supported APIs and functionalities 11
 - 2.8. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update2 12
 - 2.8.1 Release information 12
 - 2.8.2 Release package supported APIs and functionalities 12
 - 2.9. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update3 13
 - 2.9.1 Release information 13
 - 2.9.2 Release package supported APIs and functionalities 13
 - 2.10. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update4 14
 - 2.10.1 Release information 14
 - 2.10.2 Release package supported APIs and functionalities 14
 - 2.11. ATWINC15X0 Wi-Fi add-on component release 1.4.0 15

- 2.11.1 Release information 15
- 2.11.2 Release package supported APIs and functionalities 15
- 2.12. ATWINC15X0 Wi-Fi add-on component release 1.4.0-update2 16
 - 2.12.1 Release information 16
 - 2.12.2 Release package supported APIs and functionalities 16
- 2.13. ATWINC15X0 Wi-Fi add-on component release 1.5.0-rc.1 17
 - 2.13.1 Release information 17
 - 2.13.2 Release package supported APIs and functionalities 17
- 2.14. ATWINC15X0 Wi-Fi add-on component release 1.5.0 18
 - 2.14.1 Release information 18
 - 2.14.2 Release package supported APIs and functionalities 18
- 2.15. ATWINC15X0 Wi-Fi add-on component release 1.5.3 19
 - 2.15.1 Release information 19
 - 2.15.2 Release package supported APIs and functionalities 19
- 2.16. ATWINC15X0 Wi-Fi add-on component release 1.5.3-update1 20
 - 2.16.1 Release information 20
 - 2.16.2 Release package supported APIs and functionalities 20
- 2.17. ATWINC15X0 Wi-Fi add-on component release 1.6.0 21
 - 2.17.1 Release information 21
 - 2.17.2 Release package supported APIs and functionalities 21
- 2.18. ATWINC15X0 Wi-Fi add-on component release 1.6.2 22
 - 2.18.1 Release information 22
 - 2.18.2 Release package supported APIs and functionalities 22
- 2.19. ATWINC15X0 Wi-Fi add-on component release 1.7.0 23
 - 2.19.1 Release information 23
 - 2.19.2 Release package supported APIs and functionalities 23
- 2.20. ATWINC15X0 Wi-Fi add-on component release 1.7.8 24
 - 2.20.1 Release information 24
 - 2.20.2 Release package supported APIs and functionalities 24
- 2.21. ATWINC15X0 Wi-Fi add-on component release 2.0.0 25
 - 2.21.1 Release information 25
 - 2.21.2 Release package supported APIs and functionalities 25


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	
0.4	12/12/2017	Add-on component release 1.3.2 added	release	C. Tagliaferri	A. Ricci
0.5	11/01/2018	Add-on component release 1.3.2-update1 added	release	C. Tagliaferri	
0.6	06/03/2018	Add-on component release 1.3.2-update2 added	release	C. Tagliaferri	
0.7	27/03/2018	Add-on component release 1.3.2-update3 added	release	C. Tagliaferri	
1.0	10/04/2018	Add-on component release 1.3.2-update4 added Add-on component release 1.4.0 added	release	C. Tagliaferri	A. Ricci
1.1	24/07/2018	Add-on component release 1.4.2-update2 added Add-on component release 1.5.0-rc.1 added	release	C. Tagliaferri	
1.2	03/10/2018	Add-on component release 1.5.0 added	release	C. Tagliaferri	A. Ricci
1.3	05/03/2019	Add-on component release 1.5.3 added	release	C. Tagliaferri	
1.4	28/03/2019	Add-on component release 1.5.3-update1 added	release	C. Tagliaferri	
1.5	05/04/2019	Add-on component release 1.6.0 added	release	C. Tagliaferri	
1.6	01/07/2019	Add-on component release 1.6.2 added	release	C. Tagliaferri	
1.7	08/10/2019	Add-on component release 1.7.0 added	release	C. Tagliaferri	
1.8	10/07/2020	Add-on component release 1.7.8 added	release	C. Tagliaferri	
1.9	16/07/2021	Add-on component release 2.0.0 added	release	C. Tagliaferri	

Disclaimer

All rights strictly reserved. Reproduction in any form is not permitted without written authorization from RELOC s.r.l.

RELOC s.r.l. Strada Langhirano, 264/3A 43124 – Parma (Italy)	info@reloc.it www.reloc.it Land +39-0521-649116
---------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------

	Document ATWINC15X0 Wi-Fi Add-on component – Release Notes	16/07/2021
-----------------------------------------------------------------------------------	---------------------------------------------------------------	------------

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
-----------------------------------	------------

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.

2.6. ATWINC15X0 Wi-Fi add-on component release 1.3.2

2.6.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.3.2
Compatible with Wi-Fi Framework Add-on versions	1.3.x
Compatible with SSP versions	1.3.x
Release Date	Dec. 12, 2017

Important notices for this release:

Existing projects (even based on ATWINC15X0 Wi-Fi add-on release 1.3.0-update1) may not migrate seamlessly to the newer 1.3.2 pack file since there are substantial changes in the modules internal naming that may break compatibility. Users are strongly advised to back up their existing projects before migrating to latest pack versions, or simply start from a newly designed project.

2.6.2 Release package supported APIs and functionalities

2.6.2.1 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 1.3.2 supports SSP 1.3.x.

Compatibility with previous SSP 1.2.x has been removed.

2.6.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.3.2 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.7. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update1

2.7.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.3.2-update1
Compatible with Wi-Fi Framework Add-on versions	1.3.x
Compatible with SSP versions	1.3.x
Release Date	Jan. 11, 2018

Fixed switch between different WiFi modes (station and AP).

2.7.2 Release package supported APIs and functionalities

2.7.2.1 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

2.7.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.3.2-update1 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.8. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update2

2.8.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.3.2-update2
Compatible with Wi-Fi Framework Add-on versions	1.3.x
Compatible with SSP versions	1.3.x
Release Date	Mar. 6, 2018

Removed blocking loop into bus wrapper in case of error.

Removed forever timeouts, APIs timeouts are now configurable using the configurator.xml .

2.8.2 Release package supported APIs and functionalities

2.8.2.1 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

2.8.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.3.2-update2 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.9. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update3

2.9.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.3.2-update3
Compatible with Wi-Fi Framework Add-on versions	1.3.x
Compatible with SSP versions	1.3.x
Release Date	Mar. 27, 2018

Various fixes in the close API.

SPI Framework was opened twice, fixed.

2.9.2 Release package supported APIs and functionalities

2.9.2.1 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

2.9.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.3.2-update3 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.10. ATWINC15X0 Wi-Fi add-on component release 1.3.2-update4

2.10.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.3.2-update4
Compatible with Wi-Fi Framework Add-on versions	1.3.x
Compatible with SSP versions	1.3.x
Release Date	Mar. 27, 2018

Change list

- Diversified close behavior depending on the current mode.

2.10.2 Release package supported APIs and functionalities

2.10.2.1 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

2.10.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.3.2-update4 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.11. ATWINC15X0 Wi-Fi add-on component release 1.4.0

2.11.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.4.0
Compatible with Wi-Fi Framework Add-on versions	1.4.0
Compatible with SSP versions	1.4.0
Release Date	Apr. 10, 2018

Change list

- Upgrade of pack configuration files to 1.4.0 release.

2.11.2 Release package supported APIs and functionalities

2.11.2.1 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

2.11.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.4.0 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.12. ATWINC15X0 Wi-Fi add-on component release 1.4.0-update2

2.12.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.4.0-update2
Compatible with Wi-Fi Framework Add-on versions	1.4.x
Compatible with SSP versions	1.4.x
Release Date	July 20, 2018

Change list

- Added an internal transmission queue with configurable depth. This queue will be used when:
 - o the bus is busy for a time longer than the configured timeout;
 - o the preemption is disabled (for example during a ping command).
- Fixed an IAR compiler incompatibility.

2.12.2 Release package supported APIs and functionalities

2.12.2.1 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 |

2.12.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.4.0-update2 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.13. ATWINC15X0 Wi-Fi add-on component release 1.5.0-rc.1

2.13.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.5.0-rc.1
Compatible with Wi-Fi Framework Add-on versions	1.5.x
Compatible with SSP versions	1.5.x
Release Date	July 24, 2018

Change list

- Upgrade of pack configuration files from 1.4.0-update2 to 1.5.0-rc.1 release.

2.13.2 Release package supported APIs and functionalities

2.13.2.1 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

2.13.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.5.0-rc.1 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset, and is not using NSAL (or the networking stack running on the Synergy MCU).

2.14. ATWINC15X0 Wi-Fi add-on component release 1.5.0

2.14.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.5.0
Compatible with Wi-Fi Framework Add-on versions	1.5.x
Compatible with SSP versions	1.5.x
Release Date	Oct 3, 2018

Change list

- Added multicastListAdd and multicastListDelete support.

2.14.2 Release package supported APIs and functionalities

2.14.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- open	supported
- close	supported
- multicastListAdd	supported
- multicastListDelete	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

2.14.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.5.0 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.15. ATWINC15X0 Wi-Fi add-on component release 1.5.3

2.15.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.5.3
Compatible with Wi-Fi Framework Add-on versions	1.5.x
Compatible with SSP versions	1.5.x
Release Date	Mar 5, 2019

Change list

- Added a retry loop in the transmit API in order to wait for winc1500 memory to get free when high throughput rates are used.
- User callback saved in AP mode too.
- Fixed events wait call in the internal thread: TX_AND_CLEAR option was wrongly used.
- Suppressed missing field initialization warning.

2.15.2 Release package supported APIs and functionalities

2.15.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- | | |
|-----------------------|---------------|
| - open | supported |
| - close | supported |
| - multicastListAdd | supported |
| - multicastListDelete | 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 |

2.15.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.5.3 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.16. ATWINC15X0 Wi-Fi add-on component release 1.5.3-update1

2.16.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.5.3-update1
Compatible with Wi-Fi Framework Add-on versions	1.5.x
Compatible with SSP versions	1.5.x
Release Date	Mar 28, 2019

Change list

- Modified the wifi interrupt enable/disable behavior because of the r_icu fix for the issue ID 13680.

2.16.2 Release package supported APIs and functionalities

2.16.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- open supported
- close supported
- multicastListAdd supported
- multicastListDelete 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

2.16.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.5.3-update1 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.17. ATWINC15X0 Wi-Fi add-on component release 1.6.0

2.17.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.6.0
Compatible with Wi-Fi Framework Add-on versions	1.6.x
Compatible with SSP versions	1.6.x
Release Date	Apr 05, 2019

Change list

- Diversified connection events when in AP or in station mode.
- Fixes for compiler GNU v7.
- Fixed max SSID length (now 32 chars).

2.17.2 Release package supported APIs and functionalities

2.17.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- | | |
|-----------------------|---------------|
| - open | supported |
| - close | supported |
| - multicastListAdd | supported |
| - multicastListDelete | 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 |

2.17.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.6.0 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.18. ATWINC15X0 Wi-Fi add-on component release 1.6.2

2.18.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.6.2
Compatible with Wi-Fi Framework Add-on versions	1.6.0 and 1.6.2
Compatible with SSP versions	1.6.0 and 1.6.2
Release Date	Jul 01, 2019

Change list

- Fixed bug for RSSI read value.

2.18.2 Release package supported APIs and functionalities

2.18.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- | | |
|-----------------------|---------------|
| - open | supported |
| - close | supported |
| - multicastListAdd | supported |
| - multicastListDelete | 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 |

2.18.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.6.2 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.19. ATWINC15X0 Wi-Fi add-on component release 1.7.0

2.19.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.7.0
Compatible with Wi-Fi Framework Add-on versions	1.7.0
Compatible with SSP versions	1.7.0
Release Date	Oct 08, 2019

Change list

- Fixed compilation error when “Assert Failures” is enabled in the BSP tab of the configuration.xml.
- Added timeout in the open API so that if the WINC1500 module is not connected, or is not responding, an error is returned. In the previous versions the open API waited forever for a response from the module.

2.19.2 Release package supported APIs and functionalities

2.19.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- | | |
|-----------------------|---------------|
| - open | supported |
| - close | supported |
| - multicastListAdd | supported |
| - multicastListDelete | 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 |
| - wpsStart | NOT supported |
| - versionGet | supported |

2.19.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.7.0 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.20. ATWINC15X0 Wi-Fi add-on component release 1.7.8

2.20.1 Release information

ATWINC1500 Wi-Fi Add-on component	1.7.8
Compatible with Wi-Fi Framework Add-on versions	1.7.8
Compatible with SSP versions	1.7.8
Release Date	Jul 10, 2020

Change list

- Fixed C++ projects compilation errors.
- Fixed return value of the “sendto” function.
- Added exit condition on the “open” call when the WiFi module is not connected/not responding and the SPI bus is kept high.

2.20.2 Release package supported APIs and functionalities

2.20.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- | | |
|-----------------------|---------------|
| - open | supported |
| - close | supported |
| - multicastListAdd | supported |
| - multicastListDelete | 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 |
| - wpsStart | NOT supported |
| - versionGet | supported |

2.20.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 1.7.8 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).

2.21. ATWINC15X0 Wi-Fi add-on component release 2.0.0

2.21.1 Release information

ATWINC1500 Wi-Fi Add-on component	2.0.0
Compatible with Wi-Fi Framework Add-on versions	2.0.0
Compatible with SSP versions	2.0.x
Release Date	Jul 16, 2021

Change list

- Added WPS support.
- Fixed compilation issue using NetX BSD.

2.21.2 Release package supported APIs and functionalities

2.21.2.1 Synergy Wi-Fi Framework with NetX

Supported API list

- | | |
|-----------------------|---------------|
| - open | supported |
| - close | supported |
| - multicastListAdd | supported |
| - multicastListDelete | 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 |
| - wpsStart | supported |
| - versionGet | supported |

2.21.2.2 BSD socket API

ATWINC1500 Wi-Fi add-on component release 2.0.0 supports BSD socket APIs.

Socket APIs provide an interface to the application to make use of BSD Socket APIs. When the application uses these APIs, it is using the on-chip networking stack present on the WiFi chipset and is not using NSAL (or the networking stack running on the Synergy MCU).