



IoT AppZone IDE

Software Release Note

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Public



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1 Applicability Table

Table 1: Applicability Table

Products	Host OS
ME910C1 / ML865C1	Windows 10 64 bit / Linux Ubuntu LTS 20.04
ME910G1 ME310G1 / ML865G1	Windows 10 64 bit / Linux Ubuntu LTS 20.04
LE910C1-EUX / LE910C1-SAX / LE910C1-SVX / LE910C1-WWX (ThreadX OS)	Windows 10 64 bit / Linux Ubuntu LTS 20.04
LE910Cx (Linux OS)	Windows 10 64 bit / Linux Ubuntu LTS 20.04
WE310F5 / WE310G4	Windows 10 64 bit

2 Introduction

2.1 Scope

Scope of this document is to detail the corrections, changes or enhancements made to IoT AppZone SDK versions up 4.x (deprecated, hotfix only) and 5.x.

2.2 Audience

This document is intended for system integrators that are using the any of the Telit Cinterion modules specified in the applicability table.

2.3 Contact Information, Support

For technical support and general questions, e-mail:

- TS-EMEA@telit.com
- TS-AMERICAS@telit.com
- TS-APAC@telit.com
- TS-SRD@telit.com
- TS-ONEEDGE@telit.com

Alternatively, use: <https://www.telit.com/contact-us/>

Product information and technical documents are accessible 24/7 on our website:
<https://www.telit.com>

2.4 Conventions

Note: Provide advice and suggestions that may be useful when integrating the module.

Danger: This information MUST be followed, or catastrophic equipment failure or personal injury may occur.

ESD Risk: Notifies the user to take proper grounding precautions before handling the product.

Warning: Alerts the user on important steps about the module integration.

All dates are in ISO 8601 format, that is YYYY-MM-DD.

2.5 Terms and Conditions

Refer to <https://www.telit.com/hardware-terms-conditions/>.

2.6 Disclaimer

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3 System Requirements

To install IoT AppZone package, administrator permissions are needed.

Specific installation requirements vary depending on the major version, please check in the latest 5.x or 4.x version

3.1 Windows 10

Resources	Application
Operating System	Windows 10 64 bit
RAM	1GB
Disk Space	1.3 GB free disk space
Java Environment	JAVA 11.0.9 and above versions and 64-bit is mandatory for AppZone IDE If JAVA compressed archive is used, then JAVA_HOME is required to be configured in the environment system variable. Example: C:\Program Files\Java\jdk-11.X.XX

3.2 Linux Ubuntu 20.04 LTS

Resources	Application
Operating System	Ubuntu 20.04 LTS 64 bit
RAM	1GB
Disk Space	3 GB free disk space
Java Environment	JAVA 11.0.9 and above versions and 64-bit is mandatory for AppZone IDE Simple instructions on how to install OpenJDK 11 and configure the JAVA_HOME environmental variable are presented here: <pre>sudo apt install openjdk-11-jdk ### Set JAVA_HOME Path export JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64 ### Add JAVA bin directory to the PATH variable export PATH=\$PATH:\$JAVA_HOME/bin ### check java version java -version</pre>



4 RELEASE 5.2.0

4.1 New features available and general enhancements

This release is considered Long Term Support (LTS) and does not include new features. However, several improvements and the support of an updated GCC toolchain is provided for LE910Cx (ThreadX) and ME310G1/ME910G1/ML865G1.

Note: due to the size of the new GCC toolchain it was not possible to include it in the offline installer. Please make sure that you launch "*Help > Install new software*" and check the updated product packages. They will automatically install the updated toolchain

4.2 Bugs fixed

Bug ID	Description
33980-33981	Performance issues: IDE takes some time to be responsive at startup and again on-focus
33985	Library build is failing with new Firmware version 25.30.XX5 both in windows and Linux OS
33998	Unable to flash binary file using Appzone for WE310F5 modules
34035	On WE310G4 there is an error in starti application through AZ Console
34036	Workplace management lead to folders bloating
34040	LWM2M_FOTA_ACT_AT sample app compilation is failing for RVCT toolchain on ME910C1 and ME910G1 products FIX: will be available on Github future releases and automatically updated on IDE
34056	Users of WE310F5 module will find only latest plugin firmware version.
34072	Year mentioned in the Telit welcome screen Copyright section is wrong

4.3 Known issues and limitations

Bug ID	Description
33786	Microsoft Edge reports the Online official release as "potentially harmful". Workaround: Just ignore this message
33825	When the IDE detects the modem reboot, if the user closes the port before the console reconnects the port, an inconsistent state will ensue Workaround: Restart the IDE by removing the module connection from the PC
33935	Inaugural launch of the IDE, mirroring of the build tab is observed. Which resolved on the restart of the IDE
34097	Already-compiled files are not getting removed after cleaning Wi-Fi (WE310F5,WE310G4) project. Future FW SDK plugin releases will fix the issue.
34128	Failed to migrate WE310G4 47_00_001 sample Apps when imported from 5.1.1 workspace to updated 5.2.0 workspace

Bug ID	Description
34134	Cmd popup window on new plugin installation stays in foreground. Workaround: please minimize the command prompt window
34147	Compilation failure for RVCT toolchain RVCT506u7 with all sample apps
34153	New set of output files are generated upon renaming and rebuilding library projects. Workaround: please run "Clean project" before running "Build project"

5 RELEASE 5.1.1-Windows

This release is related to Windows host PC. A release for Linux host PC, with the same features and enhancements, will be available shortly after.

5.1 New features available and general enhancements

New features on IoT AppZone IDE (Windows Version):

- IDE is now supporting WE310G4
- Extensive bugfixing on AppZone IDE for Windows
- Auto update improvements
- Custom FW plugin manual upload enhancements

5.2 Bugs fixed

Bug ID	Description
33624	The icon for AppZone Wi-Fi gets displayed multiple times if multiple operations such as opening console, opening project view etc. are done.
33771	Sometimes, the prompt for cloning the GIT repository for sample apps doesn't pop up.
33986	HTTP Client sample Application compilation for new Firmware version 25.30.XX5 is failing when built with RVCT compiler
34012	When in mode AT+M2M=4 SDK prevents appzone execution
33983	application binary gets renamed to m2mapz.bin when loaded (with drag and drop) on AZ Console
33994	Compilation fails on renaming the project
34005	Emulator voice still present in dropdown menu

5.3 Known issues and limitations

Bug ID	Description
34066	When upgrading from V5.1.0 to V5.1.1 Failed to migrate WE310F5 projects Workaround: <ol style="list-style-type: none"> 1. delete build.conf from old project root folder 2. take note of PROJECT_NAME in export.mk 3. create a new project in V5.1.1 4. copy export.mk from new project into old project root folder 5. edit export.mk in old project root folder and replace PROJECT_NAME with the value noted in 2) 6. delete Makefile from old project root folder 7. copy Makefile from old project/build/gcc into root folder
33786	Microsoft Edge reports the Online official release as "potentially harmful". Workaround: Just ignore this message
33980-33981	Performance issues: IDE takes some time to be responsive at startup and again on-focus
34035	On WE310G4 there is an error in starti application through AZ Console

Bug ID	Description
	Workaround: please do not use AppZone Console for WE310G4
34040	LWM2M_FOTA_ACT_AT sample app compilation is failing for RVCT toolchain on ME910C1 and ME910G1 products FIX: will be available on Github future releases and automatically updated on IDE
34056	Users of WE310F5 module will find only latest plugin firmware version. Workaround: Developers willing to use old firmware versions shall update the plugins through “Install new software” and select the previous version of interest.

6 RELEASE 5.1.0

6.1 New features available and general enhancements

New features on IoT AppZone IDE:

- IDE is now available for Ubuntu Linux 20.04 LTS 64 bit and higher
- extensive bugfixing on AppZone IDE for Windows
- Auto update improvements
- New Eclipse version 20.21.12

6.2 Bugs fixed

Bug ID	Description
33624	The icon for AppZone Wi-Fi gets displayed multiple times if multiple operations such as opening console, opening project view etc. are done.
33771	Sometimes, the prompt for cloning the GIT repository for sample apps doesn't pop up. Workaround: If the IDE is restarted, the pop up appears.
33805	Auto save not working
33806	Changing module product breaks project build. Now it is not possible to change between incompatible build chains: if it is needed to change from ThreadX to Linux based targets (and vice versa), it is required to run project conversion. Please contact ts-emea@telit.com
33825	Stale AZ console when modem reboots
33838	Editor shows reference errors for all m2mb APIs
33852	Sample app copy is not supported when user installs products through manual "help"->"install new software"
33853	Sample apps not working if target products are installed afterwards
33854	Re-installing AppZone on existing workspace prevents sample app creation and compilation
33856	Sample app update fails sometimes.
33857	No update on sample app update task if started by the user from notification prompt
33858	Sample apps downloading not working if an older version is present
33875	The installed LE910C1-EUX product is not listed in the "Products" field of Project creation wizard
33878	Getting build error for all LE910C1-EUX sample apps
33883	Install New Software" feature in Linux shows AppZone WiFi WE310F5 product though we can install this but can't create project or do anything .
33887	Sample App clone prompt occurs on start of IDE every time.
33911	Compilation of some Sample Apps is failing for LE910CX product
33912	The AppZone C and AppZone Wi-Fi user guide in AppZone Welcome page holds old information and instructions
33919	Cannot fully uninstall AZ IDE

Bug ID	Description
33937	when creating a library, only .o files in /src folder are added to the library archive
33943	Inconsistency on FW package names with product names
33945	IDE failed finding resources on new software installation

6.3 Known issues and limitations

Bug ID	Description
33624	The icon for AppZone Wi-Fi gets displayed multiple times if multiple operations such as opening console, opening project view etc. are done.
33771	Sometimes, the prompt for cloning the GIT repository for sample apps doesn't pop up. Workaround: If the IDE is restarted, the pop up appears.
33974	[Linux Host] Unable to create project in case of uninstalling and reinstalling the product packages using install new software option provided in Appzone after the base version update Workaround To upgrade Base IDE user has to execute below command sudo chmod 755 /opt/DevelopEnv/eclipse/plugins/com.appzoneec.plugin.prebuilt_5.x.x/prebuilt/bin/set_build_linux.exe



7 Release 5.0.0

7.1 New features available and general enhancements

New features on IoT AppZone IDE:

- better quality, achieved through refactoring and automated test coverage
- IDE will check for updated documentation and firmware plugins at startup
- also sample apps are always updated: AppZone IDE checks latest changes from our remote git repository and suggests to update
- IDE upgrades have been improved, i.e. new Telit modules can be supported without re-installing the IDE
- Usage tracking for improved developer experience: if you give consensus to our anonymous tracking, we will analyze the data to produce a better developer experience

7.2 Breaking changes notice

IoT AppZone IDE 5.0.0 has breaking changes (BC) with previous versions, please check the following before installing:

- Supported Host OS is Windows 10 64 bit only (Linux support coming in the next version)
- Supported target devices have changed, please see “Applicability table”
- Only “AppZone C 2.0” development (m2mb APIs) is supported
- Emulator support has been removed

Development support for other devices is available on AppZone IDE 4.3.1.

7.3 Known issues and limitations

Bug ID	Description
33624	The icon for AppZone Wi-Fi gets displayed multiple times if multiple operations such as opening console, opening project view etc. are done.
33771	Sometimes, the prompt for cloning the GIT repository for sample apps doesn't pop up. Workaround: If the IDE is restarted, the pop up appears.



8 Related Documents

Refer to <https://dz.telit.com/> for current documentation and downloads.

Table 2: Related Documents

S.no	Book Code	Document Title
1	1VV0301729	Telit IoT AppZone IDE Software Developer User Guide
2	1VV0301746	Telit IoT AppZone m2mb Software Developer Guide

9 Document History

Table 3: Document History

Revision	Date	Changes
18	2023-06-12	Release 5.2.0 – stable release
17	2022-12-07	Release 5.1.1 – added limitation on WE310F5 upgrade from 5.1.0 to 5.1.1
16	2022-12-05	Release 5.1.1 – WIN host only
15	2022-06-09	Release 5.1.0 – fixed applicability table: WE310F5 not supported in Linux
14	2022-06-07	Release 5.1.0
13 and below	2021-09-28	Release 5.0.0 and breaking changes from 4.3.x

From Mod.0819 Rev.18

