



Customer Release Notes

WP7702 Release 15.2

Important Notice

Information relating to this product and the application or design described herein is believed to be reliable, however such information is provided as a guide only and Semtech assumes no liability for any errors in this document, or for the application or design described herein.

Semtech reserves the right to make changes to the product or this document at any time without notice. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. Semtech warrants performance of its products to the specifications applicable at the time of sale, and all sales are made in accordance with Semtech's standard terms and conditions of sale.

SEMTECH PRODUCTS ARE NOT DESIGNED, INTENDED, AUTHORIZED OR WARRANTED TO BE SUITABLE FOR USE IN LIFE-SUPPORT APPLICATIONS, DEVICES OR SYSTEMS, OR IN NUCLEAR APPLICATIONS IN WHICH THE FAILURE COULD BE REASONABLY EXPECTED TO RESULT IN PERSONAL INJURY, LOSS OF LIFE OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. INCLUSION OF SEMTECH PRODUCTS IN SUCH APPLICATIONS IS UNDERSTOOD TO BE UNDERTAKEN SOLELY AT THE CUSTOMER'S OWN RISK. Should a customer purchase or use Semtech products for any such unauthorized application, the customer shall indemnify and hold Semtech and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs damages and attorney fees which could arise.

The Semtech name and logo are registered trademarks of the Semtech Corporation. All other trademarks and trade names mentioned may be marks and names of Semtech or their respective companies. Semtech reserves the right to make changes to, or discontinue any products described in this document without further notice. Semtech makes no warranty, representation or guarantee, express or implied, regarding the suitability of its products for any particular purpose. All rights reserved.

Wireless Communications

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. The Semtech product should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Semtech accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the Semtech product, or for failure of the Semtech product to transmit or receive such data.

Safety

Do not operate the Semtech product in areas where blasting is in progress, where explosive atmospheres may be present, near medical equipment, near life support equipment, or near any equipment which may be susceptible to any form of radio interference. In such areas, the Semtech product should be powered off.

Qualcomm Licenses

Semtech's cellular modules are sold subject to certain notices and restrictions regarding patent licenses from Qualcomm Incorporated. These notices and restrictions are available at www.sierrawireless.com/qualcomm-notices.

Sierra Wireless

Semtech Corporation acquired Sierra Wireless in January 2023. The Sierra Wireless brand is gradually being phased out. During the phase-out period, references to both “Semtech” and “Sierra Wireless” may appear in product documentation.

Contact Information

Sales information and technical support, including warranty and returns	Web: sierrawireless.com/company/contact-us/ Global toll-free number: 1-877-687-7795 6:00 am to 5:00 pm PST
Corporate and product information	Web: sierrawireless.com

Revision History

Revision number	Release date	Changes
1	March 2026	Document creation

Contents

- 1: Introduction 5**
 - 1.1 Document Scope 5
 - 1.2 Document Audience 5

- 2: SWI9X06Y Release 15.2 6**
 - 2.1 Software Release Description 6
 - 2.1.1 Release Identification 6
 - 2.1.2 Software Tools Version 6
 - 2.1.3 Carrier Packages 7
 - 2.2 Software Changes 8
 - 2.2.1 Major Bug Fixes 8
 - 2.2.2 Major Configuration Changes 9
 - 2.2.3 Security Changes 9
 - 2.2.4 Known Issues 10

- A: Appendix Title 11**
 - A.1 Abbreviations and Definitions 11
 - A.2 Related Documentation 11

1: Introduction

1.1 Document Scope

This document describes WP77xx firmware releases on WP7702.

1.2 Document Audience

These release notes may be distributed to all direct and indirect customers.

2: SWI9X06Y Release 15.2

2.1 Software Release Description

2.1.1 Release Identification

Component	Revision
Modem Firmware	SWI9X06Y_02.36.08.14 29cc56 jenkins 2025/10/15 06:49:23
Linux Firmware	SWI9X06Y_03.00.15.03 2025-10-07_13:49:47
Legato Application Framework	21.05.4
MCU Firmware	002.015 (embedded as a binary in the Linux image)
Binary Size	58.5 MB
IMEI SV	9
Qualcomm baseline	Post-CS 0.0.202.1.501398.1.600106.1
Qualcomm SBA	MDM9206.LE.2.0-00202-STD.PROD-1. 501398.1.600106.1
Linux Kernel Version	Linux version 4.14.253 (oe-user@oe-host) (gcc version 9.3.0 (GCC), GNU ld (GNU Binutils) 2.34.0.20200220) #1 PREEMPT Mon Jun 2 17:05:48 UTC 2025
Supported H/W	WP7702

2.1.2 Software Tools Version

S/W Tools Name	Version
Windows Driver Package	B5413
Linux Drivers	S2.39N2.60
Linux SDK	SLQS04.00.23

Note: Download the following tools from <https://source.sierrawireless.com/>

2.1.3 Carrier Packages

File	Carrier	Modem Firmware	Config	Linux Distribution	Base Legato System	Comment
WP7702 Approved package						
WP77xx_Release15.2_GENERIC.spk	Generic	SWI9X06Y_02.36.08.14	001.082_000	SWI9X06Y_03.00.15.03	21.05.4	Approved

Function	Files
Firmware	9999999_9907618_SWI9X06Y_02.36.08.14_00_GENERIC_001.082_000.spk yocto.cwe legato-squashfs.ubi.cwe

2.2 Software Changes

The following are changes in Release 15.2 since Release 15.1.

2.2.1 Major Bug Fixes

Table 2-1: Major Bug Fixes

ID	Description	Impacted Domain
ECHO-1273	[WP7702][PTCRB][GCF] requirement to disable GEA1 and GEA2 algorithms	Modem
ECHO-1201	WP7702 overconsumption after enabling GNSS	Modem
QTI9X06-763	Disable GEA2 in WP77	Modem
QTI9X06-730	WP7702 overconsumption after enabling GNSS	Modem
QTI9X06-743	WP77xx increase IMEI SVN to 9	Modem
QTI9X06-696	[AUTO-SIM] AUTO-SIM feature does not work properly at 50°C	Yocto
QTI9X06-711	[FX30] Segmentation fault when enabling IMA	Yocto
QTI9X06-723	Modem connects only once to AirVantage	Yocto
QTI9X06-732	Fix the app using AVC Service failed to perform SOTA	Legato
QTI9X06-733	[FX30] Cannot connect AVMS with IKS	Legato
QTI9X06-734	CLONE - 0001-fx30-Add-custom-linux-uart-support.patch does not work on latest Release 15	Yocto
QTI9X06-765	[WP77xx][Generic] Disable GEA1 & GEA2	Modem

2.2.2 Major Configuration Changes

This section presents the major carrier configuration changes in this release.

Table 2-2: Major Configuration Changes

Carrier	Configuration	Description
Generic	001.082_000	Update Firmware to SWI9X06Y_02.36.08.14 GCF Approved

2.2.3 Security Changes

2.2.3.1 Security Enhancements

This section presents the major carrier configuration changes in this release.

Table 2-3: Security Enhancements

ID	Description	Impacted Domains
QT19X06-737	Remove Level 2 default password	Modem

2.2.4 Known Issues

This section presents all known issues in this release.

Table 2-4: Known Issues

ID	Description	Customer Impact
QT19X06-773	[WP7702][L_AV_LW.045] User Acceptance is asked more than once during FOTA Or is Halted indefinitely.	User will have to provide acceptance for FOTA if download is interrupted and resumed in poor network condition.
QT19X06-770	AT+WDSC user agreement for package download and installation values resets after module reset.	The user agreement setting doesn't persist across reboots, so the user has to enable it on every reboot. We already have a fix for this issue and it can be shared with customer as a patch.

A: Appendix Title

A.1 Abbreviations and Definitions

Table 1-1: Abbreviations and Acronyms

Abbreviation/Acronym	Definitions
AT	Access Terminal, Attention
EDL	Emergency Download
FDT	Firmware Download Tool
GCF	Global Certification Forum
PSM	Power Saving Mode
QMI	Qualcomm Messaging Interface
SDP	Software Download Protocol

A.2 Related Documentation

- WP7702 Product Technical Specification
Reference number: 41111420
- WP75xx WP76xx WP77xx WP8548 AT Command Reference
Reference number: 4118047
- Interface Specification for MDM9x07 AT Commands
Reference number: 41113399