



AirPrime HL7648

Firmware 04.02.A12 Customer Release Note



SIERRA
WIRELESS®

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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. Although significant delays or losses of data are rare when wireless devices such as the Sierra Wireless modem are used in a normal manner with a well-constructed network, the Sierra Wireless modem 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. Sierra Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the Sierra Wireless modem, or for failure of the Sierra Wireless modem to transmit or receive such data.

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1. Introduction

This document is the Firmware 04.02.A12 customer release note of the AirPrime HL7648 module.



2. Abbreviations and Definitions

Table 1. Abbreviations and Definitions

Abbreviation/Acronym	Definitions
ADC	Analog Digital Converter
GPIO	General Purpose Input Output
PCM	Pulse Code Modulation
PWM	Pulse Width Modulation
SIM	Subscriber Identity Module
UART	Universal Asynchronous Receiver Transmitter
UICC	Universal Integrated Circuit Card
USB	Universal Serial Bus



3. Related Documentation

- [1] AirPrime HL7648 Product Technical Specification
Reference number: 4119069
- [2] AirPrime HL76xx AT Commands Interface Guide
Reference number: 4118395
- [3] AirPrime HL7 Series Firmware Download User Guide
Reference number: 4116153

4. Compatibility

This firmware is compatible with HL7648 modules.



5. Software Release Description

5.1. Release Identification

Table 2. Firmware Information

Maturity / Maturity ID	Release / R
Date of generation	Nov 21 2017 10:10 GMT+8
IMEI SV	3
Baseline version	164804
Modem Firmware Identification (ATI3)	SWIMCB71XX-AIM1.04.02.A12.164804.201711211010.01
Full Firmware Identification (ATI10)	Modem-Firmware: SWIMCB71XX-AIM1.04.02.A12.164804.201711211010.01 Primary-Boot: SWIMCB71XX.04.02.A12.0307170717.201711211010.01 Secondary-Boot: SWIMCB71XX.04.02.A12.0307170717.201711211010.01 Update-Agent: SWIMCB71XX.04.02.A12.0302170712.201711211010.01 4G-Firmware: 7160.S3.561.46.4.747.02.3360.18265 3G-Firmware: 202.639.406.43-54.35
ALL-IN-ONE Firmware FLS Image	Filename: SWIMCB71XX-AIM1.04.02.A12.164804.201711211010.01_signed.flis File size in bytes: 22696043 Checksum (CRC32): 0xD3F40F6A Checksum (MD5): C478D180258A51151FE18B5AFC7C7A25
ALL-IN-ONE Firmware Image, Windows one-click Downloader	Filename: SWIMCB71XX-AIM1.04.02.A12.164804.201711211010.01_signed.exe File size in bytes: 9615071 Checksum (CRC32): 0x9D8DAC72 Checksum (MD5): 72D312AB5563B25413A882647CE796DE

5.2. Software Tools Versions

Table 3. Software Tools Versions

S/W Tools Name	Version	Resource File
USB Flash Driver	v.4.140.3.66 DLL=v.4.140,0.0	N/A
Command Line FlashTool (DownloadTool.exe, dll)	v.1.37 DLL=v.4.140,0.0	N/A
USB Host Driver	WMC_comneon8_v4.32.0 WMC_imc1_v4.44.0_cust	N/A

5.3. Released Files and Download Processes

Table 4. Released Files and Download Processes

Download Option	Released Files and Download Processes
Released Files	Refer to 5.1 Release Identification
Download Process	<p>ALL-IN-ONE Firmware image, Windows one-click downloader: Double click the file and then reboot or re-power on the device. The download tool embedded in the executable will then download the firmware to the device. The one-click file includes the command line FlashTool.</p> <p>ALL-IN-ONE Firmware FLS image: Run command line <code>DownloadTool -c USB1 <All-In-One-FLS-Image></code> and then reboot or re-power on the device. The download tool will then download the firmware to the device.</p>

Prior to performing a firmware download, the USB cable must be connected to the HS-USB port of the device, and the USB Flash Driver must be installed. Refer to document [3] AirPrime HL7 Series Firmware Download User Guide for more information on the download process.

Compatibility between the one-click file and module type should be taken into consideration, especially with regards to security.

Table 5. Compatibility Matrix

Firmware	Non-Fused Module		Fused Module	
	One-Click	+WSD	One-Click	+WSD
04.02.A1x signed	N/A	N/A	OK	OK

Refer to document [2] AirPrime HL76xx AT Commands Interface Guide for more information regarding +WSD (*.dwl).



6. Software Changes Description

This section lists all corrections or improvements integrated in Firmware 04.02.A12.
Issues are sorted alphabetically by Impacted Functionality.

Table 6. Validated Corrections/Improvements

ID	Description	Impacted Functionality (Main/Sub)
INT71XXMCBL-2144	[0402A][HL7648] Module is able to change the Certificate dynamically depend on OMADM server.	OMADM/ATT
INT71XXMCBL-2145	[0402A] Integrate release SWIMCB71XX.04.02.A12.164804	OTHER/Other

7. Troubleshooting

Please contact customer service for support and debugging information.