



RELEASE NOTE

Open AT[®] Software Suite v2.02a

Reference: **WM_DEV_OAT_CRN_018**

Revision: **001**

Date: **August 8, 2008**



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Open AT[®] Software Suite v2.02a Release Note

Reference : **WM_DEV_OAT_CRN_018**
Version **001**
Date : **August 08, 2008**

Document Information

Revision	Date	List of revisions	
001	August 08, 2008	Official Release	

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1 Introduction

1.1 Related Documents

[1]	ADL User Guide for Open AT® OS v6.02	WM_ASW_OAT_UGD_060
[2]	Open AT® IP Connectivity Development Guide	WM_DEV_OAT_UGD_075-001
[3]	Open AT® FW R71b Release Note	WM_PGM_SWFO_CRN_001
[4]	Security User Manual	WM_DEV_SEC_UGD_002
[5]	AT Commands User Guide for Wavecom IP V4.01	WM_DEV_OAT_UGD_076-001
[6]	WIPSoft v4.01 Release Note	WM_DEV_OAT_CRNI_012
[7]	eRide GPS Core Interface	WM_DEV_C-GPS_IFS_003
[8]	C-GPS Development Kit User Guide	WM_DEV_C-GPS_UGD_001
[9]	Technical Specification for Multiplexer protocol	3G TS 27010
[10]	Tools Manual for Open AT® IDE v1.07	WM_DEV_OAT_UGD_045
[11]	Jamming Detection Manual	WM_DEV_SEC_UGD_001
[12]	Migration document	WM_DEV_WUP_MEM_020

1.2 Delivered Version Definition

This definition lists all modifications since the **Open AT® Software Suite v1.02 Release**.

1.3 Correction Severity Levels

The *Severity* values have the following meaning:

- 1: Critical
- 2: Major
- 3: Minor
- 4: Improvement

1.4 Open AT® Software Suite 2.02a SDK Content

- Open AT® IDE v1.07 built on Eclipse™
- Open AT® OS v6.02
- Open AT® FW R71b
- Wavecom TCP/IP and Internet v4.00 Plug-Ins version
- Open AT® Security v1.00 Plug-Ins
- Open AT® C-GPS v1.07 Plug-In
- Open AT® GTi not available any more
- CMUX tool V2900

2 Open AT® Software Suite 2.02a New Services and Modified Interfaces

2.1 Open AT® IDE

For more information, please refer to Tools Manual for Open AT® IDE v1.07 [\[10\]](#)

2.2 Open AT® OS

2.2.1 New services and Interfaces break

Multitasking environment provided, and other new features,

For more information, please refer to [Open AT® OS ADL Update](#)

Please see the [Open AT® OS](#) restrictions.

2.3 Open AT® TCP/IP and Internet Plug-Ins

The TCPIP stack has been moved into the Firmware itself, and is used directly by the plug-ins.

“SNMP” feature is not available in the Plug-ins.

NB: It has to be noticed that "ip_full" AND "real_time" commercial features must be activated in order to use Ethernet sample.

For more information, please refer to Open AT® IP Connectivity Development Guide [2] and .AT Commands User Guide for Wavecom IP V4.00 [\[5\]](#)

2.4 Open AT® Security Plug-Ins

A new plug-ins is available, providing the following features:

- Jamming detection API
- WIPSSL API, which provides SSL-secured communication channels to WIP
- Cryptographic API

For more information, please refer to Security User Manual [\[4\]](#) and Jamming Detection Manual [\[11\]](#).

2.5 Open AT® C-GPS Plug-In

The G-GPS Samples Plug Ins has been updated with the new feature AGPS. Query App sample and QueryAppAiding sample have been added, and RTCTimeAiding sample has been removed.

NB: QueryAppAiding sample is delivered as an alpha version.

Please note, that the C-GPS binary format samples are no more provided.

2.6 Open AT® GTi Plug-In

The Open AT® Software Suite v2.02a SDK does not support any more the Open AT® GTi Plug-In.

2.7 Driver for CMUX tool

The driver for CMUX tool version V2900 is available in folder Drivers/CMUX, and contains:

MUX Driver : v 2.7.1.3

MuxConfTool: v 1.2.8.4

3 Open AT® Firmware R71b

3.1 Delivery

The Open AT® Firmware R71b is delivered on the SDK for WMP100/Q2686/Q2687 Wireless CPU® in the Firmware delivery directory.

Be careful, if the original FW is not the R71 or R71a, it is mandatory to follow the instructions of the document describing how to migrate to R71b, before downloading the dwl files provided for the FW R71b [\[12\]](#). Otherwise an error message occurs concerning a bad header format.

3.2 Corrections

Please refer to Open AT® Firmware R71b full Release Note (see document [3]) for more information about AT commands related to new features and corrections.

4 Open AT® IDE v1.07 Update

4.1 Introduction to Open AT® IDE v1.07

Now built on Eclipse™, this IDE allows any Open AT® Developer to select between either Visual.net or Eclipse™ framework to develop its Open AT® applications-

4.1.1 New Features

Id	Severity	Description (What/When)	Interface Change
NEW43492	4	The Open AT® wmnew script has to accept a new option "-key <file>", allowing the user to specify the file where is stored the private key he wants to use in order to sign its application	yes

4.1.2 Corrections

Id	Severity	Description (What/When)	Interface Change
ANO44923	1	When trying to download a signed application, the XModem download fails with a BAD CHECKSUM error.	no
ANO47439	1	The firmware refuses to launch signed Open AT® applications. +WOPEN=7 status remains to 15 forever and adl_main is never called	no
CUS46597	2	When Cygwin has been previously installed in text mode on the user's system, binary generation should produce a corrupted binary which is refused by the downloader	no

5 Open AT® OS v6.02 Update

5.1 Open AT® OS ADL API Update

5.1.1 New Features

Id	Severity	Description (What/When)	Interface Change
NEW40609	4	An API shall be provided to Open AT® applications, allowing them to dynamically retrieve the hardware capabilities.	no
NEW41638	4	ADL provides a new thread-safe queue service, allowing applications to exchange data between execution contexts.	no
NEW42340	4	New ADL service, usable to retrieve information about the network environment.	yes
NEW42344	4	An ADL service is provided to applications in order to store ciphered data in flash memories.	yes
NEW42942	4	The Open AT OS V6 has to support up to 20 applicative tasks.	no
NEW42944	4	Execution context service shall offer new functions to allow suspending/resuming several tasks in one operation.	yes
NEW43603	4	When a response handler is notified, it now has a new input field, indicating if the current response is a terminal one or not.	yes
NEW44590	4	New interface in order to let the application declare some information fields, readable from the FW without having to start the application.	yes
NEW44991	4	A new function has been added to the ADL SIM service, in order to let the application enter the PIN code again, even if the service is already subscribed.	yes
NEW45081/ NEW45149/ NEW45227	4	The ADL SMS service reception handler shall be able to return a new control value, allowing to store the received SMS, but not generate the +CMTI notification.	yes
NEW45736	4	Delivery of RDMS Service - ADL side	yes

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Open AT® OS v6.02 Update

Id	Severity	Description (What/When)	Interface Change
NEW45899	4	An application is now able to record or to play a PCM 16KHz 16 bit or AMR / AMR-WB audio stream on audio resources.	yes
NEW40243	4	New ADC service in ADL API.	yes
NEW40247	4	DAC ADL service update in order to be Wireless CPU® independent.	yes
NEW40254	4	RTC service adaptation in order to be Wireless CPU® independent.	yes
NEW40256	4	TU service creation for Wireless CPU® independence.	yes
NEW40663	4	New ADL audio service, usable to access to the Wireless CPU® audio features.	yes
NEW40666	4	New samples are provided to highlight the ADL audio service features.	yes
NEW40667	4	An application is now able to record incoming PCM audio data from a running GSM voice call	yes
NEW40668	4	An application is now able to play PCM audio data on a running GSM voice call.	yes
NEW40669/ NEW40670	4	An application is now able to record incoming PCM audio data from a running GSM voice call.	yes
NEW40671	4	An application is now able to play PCM audio on the Wireless CPU® loudspeaker.	yes
NEW40672	4	An application is now able to directly access to ADC registers raw values.	yes
NEW41308	4	ADL now offers an asynchronous read/write mode in the BUS service, usable under interrupt context.	yes
NEW41309/ NEW41310	4	ADL BUS service interface update, in order to be Wireless CPU® independent regarding I2C BUS.	yes
NEW41312/ NEW41313	4	ADL Interface has been updated in order to be platform Wireless CPU® regarding SPI bus.	yes
NEW41445	4	The ADL BUS service has been updated in order to support the parallel bus feature.	no
NEW44185	4	A new sample is available to illustrate the queue service usage.	yes
NEW44186	4	All services which were depending on the deprecated SCTU interface have to be ported over the new TCU service.	yes

Id	Severity	Description (What/When)	Interface Change
NEW44187	4	Some tiny and simple samples have been added to illustrate the multitasking related services.	yes
NEW44530	4	New Dhrystone sample, which illustrates the ADL Varispeed service usage.	yes
NEW44531	4	New PLMN_Scan sample, which illustrates the ADL L3Info service usage.	yes
NEW46952	4	New L3INFO channel available in L3info service	yes

5.1.2 Corrections

Id	Severity	Description (What/When)	Interface Change
CUS41747	2	After OSA service subscription with adl_osaSubscribe() function, if the application tries to unsubscribe to the OSA service without posting back an ATR request to the wavecom firmware (after an ADL_OSA_EVENT_ATR_REQUEST or ADL_OSA_EVENT_ADPU_REQUEST event), then the unsubscription will fail, so the OSA service is never closed and it's not possible to subscribe again to it.	yes
CUS41829	3	Problem occurs when trying to activate a context with adl_gprsAct (), ADL_GPRS_EVENT_ACTIVATE_OK is not associated with the good cid number	no
CUS41834	2	When up to 2000 A&D cells are created by an application (whatever are the cells' sizes), the adl_adGetCellList function will lead to a Wireless CPU® watchdog reset.	yes
CUS41836	2	ADL is not currently supporting the ATQ1 mode; this mode is mandatory to keep an ascendant compatibility with old external applications using only some basic AT commands.	no
CUS41846	2	The adl_fcmUnsubscribe () API returns an incorrect value of FCM flow when called immediately after adl_fcmSubscribe() API.	no
CUS41860	3	Even if ADL manages the ATQ command mode, there is no way for the application to internally control the current value of the quiet mode.	no

Id	Severity	Description (What/When)	Interface Change
CUS41863	2	When "ADL_TMR_TYPE_100MS" timer is subscribed, if "TimerValue" parameter is superior to "0x5E9182" value, the timer will not be set with the required value. Accordingly there is a limitation when "ADL_TMR_TYPE_100MS" timer is used.	yes
CUS41866	2	When an application subscribe to the SIM service with a correct PIN code (with adl_simSubscribe() function), if it unsubscribes to this service and tries to subscribe it again a second time with an other SIM and PIN code , then "ADL_SIM_EVENT_PIN_ERROR" event will be raised. User cannot change the SIM card with another one which has a different PIN code.	yes
CUS41867	2	ADL SIM service is not informed that a PIN code is entered when the AT+CPIN command is sent with the adl_atCmdCreate() function. And then the other services depending on the SIM state do not work properly (SMS, CALL & GPRS services)	yes
CUS42575	2	This error happens when an unsubscribe request occurs exactly between 2 timer cycles. During this period, an unsubscribe request of the cyclic timer can be done but returns an error message. It's because the timer is restarting. Increasing the TimerValue reduces strongly the probability of getting this error. To get an accurate time measure, the SCTU service must be used.	no
CUS43589	3	If IRQ Low and High handlers are subscribed and DTMF detection is started with adl_audioStreamListen API, when an IRQ occurs the Wireless CPU® will reset	no
CUS43775	2	Some special strings used in ADL can't be sent by SMS (OK, CONNECT, ERROR	no
CUS44468	1	Open AT® application is now correctly informed of port opening.	no
CUS44495	2	When adl_atCmdCreate API is used with ADL_PORT_NONE parameter, then AT command is sent to the Wireless CPU® on the ADL_PORT_OPEN_AT_VIRTUAL_BASE port	yes
CUS44783	3	The customer application will be informed of a call release event by toggling DTR.	yes
CUS45017	1	Starting from a too big DOTA volume size (e.g. AT+WOPEN=6,2624) adl_adRecompact starts correctly but does not generate any events.	no

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Id	Severity	Description (What/When)	Interface Change
CUS45024	1	ADL badly handles the AT+WOPEN=6 mode when safe mode service is subscribed (size systematically set to 123)	no
CUS45490	1	When a task has been interrupted by an ISR, adl_ctxGetState returns ADL_CTX_STATE_SUSPENDED instead of ADL_CTX_STATE_PREEMPTED.	no
CUS46854	3	" +CMS ERROR: 539" will now be handled so that the reading of the current SMS is discarded (since invalid) and the SMS service is ready to process further incoming SMSs.	no
CUS47156	2	when an application uses adl_smsSend() API to send a SMS, if the phone number parameter is a NULL string so the SMS is not sent but the SMS service enters in an invalid state. The application is not be able to send again another SMS.	no
ANO41853/ ANO41854	2	The Signal Replica sample HTML documentation for AT+SIGNAL command is not coherent with the real command behavior.	no
ANO41861	2	During an interrupt routine, it is impossible to use adl_extintConfig.	no
ANO41868	2	When an application unsubscribe to a timer which have been already deleted, ADL can delete another timer handlersubscribed. So this last timer handler is not notified when the timer expired.	no
ANO45667	2	A reset occurs when a try is made to unsubscribe the bus during a read or write.	yes
ANO41859	2	The sample Sms_Automaton does not check if the starting tag and the ending tag are the same.	no

6 Plug-Ins Update

6.1 Open AT® TCP/IP and Internet Plug-Ins

6.1.1 New Features

6.1.2 Corrections

Id	Severity	Description (What/When)	Interface Change
ANO42734	2	No response is received if an attempt is made to exchange data for the second time for FTP/HTTP/SMTP/POP3 protocols.	no
CUS45232	2	When An email is sent using SMTP protocol from an SMTP server, the body is not received correctly or the e-mail is not received at all.	no
CUS47095	3	SMTP doesn't respect the RFC requirements for addresses encoding	no
CUS47097	2	"AT+WIPPING" does not work for the first time when used with a DNS name	no
CUS44666	3	It is not possible to create a PPP client on the Wireless CPU® which connects with the PPP server on the PC.	yes

6.2 Open AT® Security Plug-Ins

6.2.1 New Features

6.2.2 Corrections

Id	Severity	Description (What/When)	Interface Change
CUS38164/ CUS46236/ CUS46235	1	Reuse session doesn't work	no

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Plug-Ins Update

Id	Severity	Description (What/When)	Interface Change
ANO47695	1	It is impossible to close SSL Library in the finalizer callback function. Even if there is no more opened socket, an error specifies that the library closing is impossible due to one or more socket(s) still opened.	no
ANO47714	1	It is impossible to release memory resources used by SSL library even if we close it.	no
ANO47862	1	WIP_SSL_IDEA option is no longer available	no
ANO47343	2	When you call the wip_SSLLclose function with one or more channel(s) opened the function returns -1. However, as described in the documentation, the function must return WIP_CERR_RESOURCES instead of -1.	no
DEV47433	2	The SSLGetSession function crashes the customer application when being called on a shutdown channel. This function may return a NULL pointer instead of causes a RESET.	no
CUS47856	2	Even if the customer application specifies that it wants to use SSLV3 protocol, some SSLV2 packets will be sent to the server (in particular the Client Hello packet).	no
CUS38163	2	WIP_CEV_PEER_CLOSE can happen up to 32 bytes too soon on SSL connections.	no
CUS38165	2	Error numbers not correctly reported on FTP control channels.	no
CUS44484	3	Sending packets more than 475 bytes long over SSL might sometimes fail.	no
ANO46961	1	When a write operation is performed, API always returns -1 even if there is no error.	no
CUS38312	2	Customers can't check the validity dates of an SSL certificate.	no

6.3 Open AT® C-GPS Plug-In

6.3.1 New Features

Id	Severity	Description (What/When)	Interface Change
NEW47168	4	New sample to illustrate Aiding feature with GPS	yes

6.3.2 Corrections

Id	Severity	Description (What/When)	Interface Change
ANO47673	1	When the application tries to connect , the time to connect to the Aiding server is too short, so the GPRS socket open and close in loop, the connection to the server is not possible	no
CUS46924	2	RTC aiding is integrated in QueryApp sample, RTCTimeAiding sample is removed	yes

7 Restrictions & Known Problems

7.1 Known Problems

The Open AT® OS v6.02, IDE v1.07, known problems are as follows:

Id	Description (What / When)
ANO36363	When an Open AT® application is running, after a reset (AT+CFUN=1), +WIND: 0/13/13/14 indications are returned to external application even if this application doesn't sent AT+WIND=<value>. These indications should not be returned (only internal to Open AT®).
CUS40027	Application is not able to subscribe to AT commands that are subscribed by ADL, ref : "Inner AT commands Configuration" paragraph in ADL Documentation.
ANO39333	The RTE mode is not working on Windows VISTA: the RTE application is frozen and does not respond anymore.
ANO36583/ ANO41818	User can't use adl_atCmdSubscribe to subscribe to a command beginning by "ATA", "ATD" or "ATH" when call service is used.
CUS36584 CUS36366 CUS41816	Commands such as ATA, ATH and ATD can not be filtered using the API adl_atCmdSubscribe (), when FCM, Call and/or SIM services are running.
ANO36586/ ANO41821	Wireless CPU® may reset, when a huge number of bad formatted AT commands (e.g. a lot of commands are sent with 2 \r at the end) are sent from an external application.
ANO36357/ ANO41811	A GPIO is firstly subscribed as an output, but requiring a polling process. If it is set as an input (using SetDirection), INPUT_CHANGED events are never generated. If it is firstly subscribed as an input, INPUT_CHANGED events are correctly generated, even after a direction change.
ANO35826	Open AT® project creation systematically fails if some special characters are used for project name (&,) in the Wizard.
CUS36693 CUS36689 CUS41832	When AT+CREG? is sent from an external application after subscription to this AT command, +CREG response is received twice because the AT+CREG? is automatically subscribed internally by application. Hence, there are two different subscriptions for the same command. This is an ADL limitation which is specified in chapter 2.4 "ADL limitations" in the ADL user guide.
CUS39061/ CUS41844	RI behavior (configured through AT+WRIM command) is not the same when an Open AT® application is running or not. This behavior should be independent of the application execution.

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Restrictions & Known Problems**

Id	Description (What / When)
CUS36708/ CUS41833	Unexpected unsolicited +CREG & +CGREG events are sent by the Wireless CPU® when an embedded application is running and the AT&W command is used.
CUS38906/ CUS38905/ CUS41843	Service SIM of ADL is not in a good state when the AT+CPIN=XXXX commands is sent by the external application too quickly. A workaround is to check the PIN status like ADL (AT+CPIN?), when +SIM PIN is received wait for 1 second in order to let ADL subscribe to SIM event and then verify the PIN code. The +CME ERROR: 811 will disappear.
ANO38485/ ANO41841	When using the CMUX feature, if an application tries to send unsolicited responses too early (e.g. in the adl_main function), these ones should not be displayed on DLC ports, since they are not opened yet. As a workaround, the application should wait for the CMUX ports to be opened (use adl_portsAvailable).
CUS37359	On specific user system configurations, modifications performed during the Open AT® Software Suite installation (such as the JRE installation) are taken into account only after the computer restarts. The Setup engine is currently not able to detect such a restart need, and does not warn the user about it.
CUS36364/ CUS41815	An Open AT® application has no way to retrieve the current state of the ATE command on each external port.
ANO36593/ ANO41826	With the External_Storage sample, the chip writing process is not documented. Writing is limited to 32 data bytes, so only up to 32 data bytes can be written in a single AT command operation; all additional bytes will be ignored.
ANO43290	When a task is declared with a really too short value (e.g. 256), the Wireless CPU® resets immediately with a 190 exception.
ANO44244	Backtrace occurs when wm_sprintf() is using with a local or external variable in low level IRQ handler
CUS44263	If the customer tries to unsubscribe the osa service during SIM initialization, he gets the error message ADL_RET_ERR_BAD_STATE.
CUS37359	On specific user system configurations, modifications performed during the Open AT® Software Suite installation (such as the JRE installation) are taken into account only after the computer restarts. The Setup engine is currently not able to detect such a restart need, and does not warn the user about it.
CUS41433	When the application subscribes to SMS service, if the Wireless CPU® receives a "+CMTI" indication before "+WIND: 16" indication, then the SMS handler is not called and it's not notified for the other SMS received later.

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Restrictions & Known Problems**

Id	Description (What / When)
CUS41819	Commands such as ATA, ATH and ATD can not be filtered using the API <code>adl_atCmdSubscribe()</code> , when FCM, Call and/or SIM services are running.
CUS41844	RI behaviour (configured through AT+WRIM command) is not the same when an Open AT® application is running or not. This behaviour should be independant of the application execution.
CUS42857	Sometimes, in RTE under Eclipse IDE, the linker crashes and the application is not completely built.
ANO47297	"ADL_SIM_EVENT_PIN_NO_ATTEMPT" is only received for pin code sent with <code>adl_simSubscribe()</code> or <code>adl_simEnterPIN()</code> but not with pin code sent from external.

Remarks about restrictions:

Open AT® OS :

The OAT Link address is now 0x220000 (as the Firmware size has been increased to 32 sectors).

New Open AT® Header Format has been used, when creating Open AT® application.

New DWL format has been used in this **Open AT® Software Suite**.

Open AT® application built with a previous version than Open AT® Software Suite 2.01 will not work with the firmware R71b.

As a result it is mandatory to use firmware R71b, with every Open AT® application based on the Open AT® Software Suite v2.02a. (please refer to the document describing how to download R71a [\[12\]](#)).

7.2 Open AT® TCP/IP and Internet Plug-Ins Restrictions

Id	Description (What / When)
DEV36615	When 100 mails are stored in the maildrop, the getList() may result in a reset of the Wireless CPU®.
ANO36804	In some cases, writing on a socket already shut down doesn't cause any error.
ANO35171	When GSM bearer is used, ATH from external terminal stops the bearer link.
CUS39557	GSM data call not handled properly when a TCP data channel is already established.
CUS47469	Using WIP lib and using PPP bearer (e.g. over UART) it is not possible to switch to AT mode using +++ escaping sequence.
CUS41717	When AT+WIPCFG=0 is executed to stop the stack, the Wireless CPU® resets if the FTP/SMTP/POP3/HTTP session is active. Work Around: before closing stack using +WIPCFG=0, sockets/sessions should be closed first (using +WIPCLOSE AT command), then bearers should be stopped (using +WIPBR AT command), then bearers should be closed (using +WIPBR AT command) then IP stack can be closed (using +WIPCFG=0 AT command).
CUS43493	Users can't get the reason why a TCP socket crashed from wip_getOpts().
ANO43438	On 32 Mbits flash memories, DOTA2 operation (full FW download) is not possible when the application embeds the WIPSoft library.
ANO42797	Wireless CPU® will reset when WIP_CEV_READ event occurs while reading a file from POP3 Server over GPRS.
CUS46367	WIP_COPT_POP3_MAILSIZE option will return the value received by the 'LIST n' command and not the 'RETR n' command.
ANO46887	Application can't set the ethernet interface link configuration nor the promiscuous mode
ANO46900	[WIP / CMUX] It is impossible to create a PPP connexion on MUX UART
ANO47516	[WIP/RTE] RESET when launching an WIP application by RTE using ECLIPSE
ANO48103	When a finalizer is specified for the HTTP SESSION channel, it is called prematurely. A workaround exists for this issue, it consists in adding a timer in the callback function of the Finalizer in order to wait a few seconds to launch it.

7.3 Open AT® Security Plug-Ins Restrictions

Id	Description (What / When)
ANO48115	It is impossible to connect to a SSL server if WIP_COPT_ENCRYPTION and/or WIP_COPT_AUTHENTICATION are/is set to WIP_SSL_NULL.
ANO48105	When you are getting an HTTPS page through the GPRS bearer, It is possible to receive two WIP_CEV_PEER_CLOSE events instead of one.
ANO47945	The following options of the GetOpts function don't work correctly or provide unintelligible results: WIP_COPT_PUB_KEY, WIP_COPT_EXT_CRITICAL, WIP_COPT_PUB_KEY_ALGO and WIP_COPT_SIG_ALGO. It is recommended not to use these options.
ANO47820	There is an issue in the sample application when it deals with WIP_CEV_READ events. We can observe application freeze when we are trying to send (in one block) more than few KB through an SSL connexion. Moreover, if the file is successfully sent, we can observe several cascaded WIP_CEV_READ while there is no data to read
CUS44486	If you are using an SSL socket and if an event WIP_CEV_ERROR is generated, the memory resources used by the SSL socket are not released even if a wip_close() is called. If there is not enough available memory, the trace "ADL Get memory error" ad RESET is sent, when a try to open another SSL session is made. To avoid the RESET, use the adl_errSubscribe function to trap the error (however a reset is necessary to reopen an SSL session).
ANO48185	TLS Ciphers are being used while SSLV3 version is used during channel creation. Though, the channel is created successfully as the client is able to handshake properly with the server but the underlying protocol used is not correct.

7.4 Open AT® C-GPS Plug-Ins Restrictions

Id	Description (What / When)
DEV36673	Performance of C-GPS in RTE mode are degraded because processing Open AT® application in RTE mode is slower than in target mode.
ANO41489	When the stack is under heavy work loads, one second NMEA data send from Open AT® application to UART1 and USB is lost. This issue is systematic on the sample application (QueryApp) after processing the app several hours.
ANO41514	When the position pinning function is enabled, the core will not unpin the position until the position error of over 20 m between the pinned position and the latest GPS measurement.

As some samples documents such as readme.html, provided in the plug-in, are in preliminary format, some responses return by AT commands are different from those indicated in the document

8 Memory Information

8.1 With ADS compiler

Details:

	WIP Library	WIPSoft Library
Size	328kbytes	110kbytes
Max RAM size used	6.23kbytes	4.55kbytes

WIPSoft binary

Binary size: 144 kbytes

	WIP Library (KB)	WIPSoft Library (KB)	RAM size use by lib+ appli (KB)
RAM size	5.18	4.55	10.76

8.2 With GCC compiler

Details:

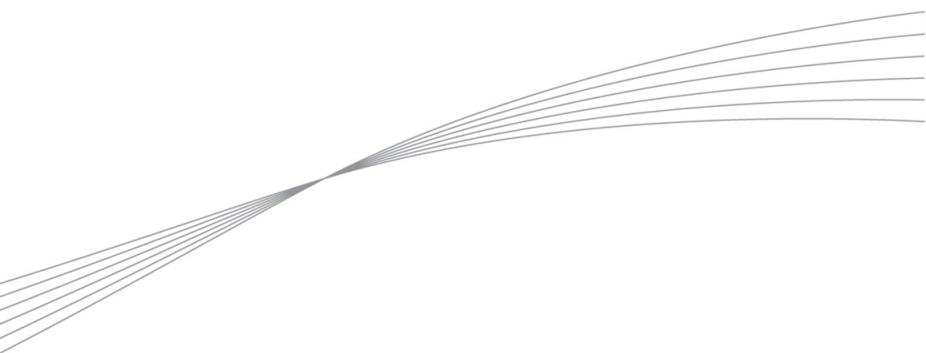
	WIP Library	WIPSoft Library
Size	3169 kbytes	776 kbytes
Max RAM size used	X	X

WIPSoft binary

Binary size: 189kbytes

	WIP Library (KB)	WIPSoft Library (KB)	RAM size use by lib+ appli (KB)
RAM size	5.18	4.55	10.61

For more information about how to handle RAM and Flash with Open AT® applications, please refer to documentation [1]



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