

TC65i

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Release Notes



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Contents

1	Preamble	
	1.1 Related Documents	5
2	Improved Features	6
3	Known Issues	6



1 Preamble

This Release Note introduces the Cinterion Wireless Module

TC65i 01.100

1.1 Related Documents

- [1] AT Command Set, v01.100
- [2] TC65i Hardware Interface Description, v01.100b
- [3] DSB75 Support Board Hardware Interface Description, v012
- [4] Multiplexer User's Guide, v12
- [5] Multiplexer Driver Developer's Guide, v12
- [6] Multiplexer Driver Installation Guide, v11
- [7] Remote SAT User's Guide, v02
- [8] Application Note 02: Audio Interface Design for GSM Applications, v06
- [9] Application Note 07: Rechargeable Lithium Batteries in GSM Applications, v05
- [10] Application Note 16: Updating Firmware, v08
- [11] Application Note 17: Firmware Update Over the Air, v02
- [12] Application Note 22: Using TTY / CTM Equipment, v01
- [13] Application Note 24: Application Developer's Guide, v07
- [14] Application Note 26: Power Supply Design for GSM Applications, v04
- [15] Application Note 32: Integrating USB into Applications, v04
- [16] Application Note 45: Jammining Detection Radio Link Stability Monitor, v02
- [17] Application Note 46: Incremental Java Application Update for TC65i, v01
- [18] Migrating from TC65 to TC65i, v01
- [19] Java User's Guide, v15
- [20] Java doc \wtk\doc\html\index.html

The latest product information and technical documents are ready for download on the Cinterion Wireless Modules Website or may be obtained from your local dealer or the Sales department of Cinterion Wireless Modules GmbH. To visit the website you can use the following link:

http://www.cinterion.com



2 Improved Features

This chapter refers to changes made since TC65i 01.100.

AT command / feature	Brief description
SPI bus	This release includes improvements and fixes for the SPI bus, thereby solving certain problems earlier observed when using the SPI. Nevertheless, it is recommended to empty the input stream by a read operation after every write operation on the SPI's output stream.
Flash File System (FFS)	The Flash File System management of TC65i has been improved.

3 Known Issues

AT command / feature	Brief description
Java System.out	Each time when Java is started or stopped the USB interface is reset. A possibly opened USB COM port under Windows becomes unusable until the port is closed and the USB interface is reset again e.g. by unplugging and replugging the cable. This has to be especially considered when using System.out via the USB interface. Make sure that the USB COM port is closed when starting or stopping Java. On-device Java debugging over USB is not affected.
Fax	Proper functioning of fax transmission cannot be guaranteed under all circumstances.
AT [^] SIND, "+CIEV: band" indicator, AT [^] SCFG, "Radio"Band" feature	The "Radio"Band" parameter <rbc> of the AT^SCFG command and the "+CIEV: band" indicator of the AT^SIND command are specified to output the same value. However, if <rbc> equals the maximum value 15 (quadband) the "band" URC and the AT^SIND read command show a lower value.</rbc></rbc>



AT command / feature	Brief description
AT^SIND, "+CIEV: Ista" indicator	In some cases a "+CIEV: Ista" indicator sequence may contain a URC without valid channel information, i.e. with all "Ista" parameters set to "0". Usually, this URC will be preceded and followed by valid "+CIEV: Ista" URCs and should therefore be ignored. Example:
	 +CIEV: Ista,0,1,70 +CIEV: Ista,0,0,70 +CIEV: Ista,1,9,68,69,69,0 +CIEV: Ista,1,0,0,0,0,0
AT+CALA, AT+IPR=0	Wakeup into Airplane mode (AT+CALA alarm followed by module switch-off) cannot be used if autobauding (AT+IPR=0) is enabled. Before setting the function Wakeup into Airplane mode ensure that the module is configured for a fixed bit rate (AT+IPR≠0). Reminder messages (AT+CALA alarm set without switching off the module) are not concerned and will work properly.
Airplane mode	When running a loop test which involves enabling/disabling the "MEopMode/Airplane/OnStart" feature and resetting the module in a quick succession the module may sometimes fail to register to the network although Airplane has been disabled. Workaround: Simply enter twice the AT^SCFG command to enable or disable the "MEopMode/Airplane/OnStart" feature. Example: AT^SCFG=MEopMode/Airplane/OnStart,on ^SCFG: "MEopMode/Airplane/OnStart","on" OK AT^SCFG=MEopMode/Airplane/OnStart,on ^SCFG: "MEopMode/Airplane/OnStart","on" OK
ATZ / AT+CSCB	ATZ resets all user defined cell broadcast message indication settings specified with AT+CSCB to their factory defaults.



AT command / feature	Brief description
AT^SCTM	 The temperature control is not fully effective immediately after reboot. The following errors may occur: For 2s after reboot the AT^SCTM read command may return the default value 25°C instead of the actual board temperature. "^SCTM:_B: {-1/1}" URCs may be delayed by up to 15s. If the module temperature threshold is exceeded during the first 120s the module sends a URC "^SCTM_B: {-2/2}", but does not shut down automatically. Note: If the battery temperature threshold is exceeded the module will correctly send a "^SCTM_A: {-2/2}" URC and switch off automatically.
AT^SPBS	If the maximum number of 255 phonebook entries are stored on a SIM card, the browse command AT^SPBS sometimes does not step through all of these phonebook entries.
AT^SNFS	In rare cases, the module is no longer responding after hanging up a call with ATH and changing another audio mode with AT^SNFS in quick succession. Workaround: After terminating a call with ATH please wait 1 second before changing the audio mode with AT^SNFS.
ATI1	Display of Application Revision 03.002.04.
AD converter / AT^SRADC	Please use only one of the two AD converter channels at a time. In rare cases it may happen that the values of the two channels are interfering each other if both channels are opened at the same time.