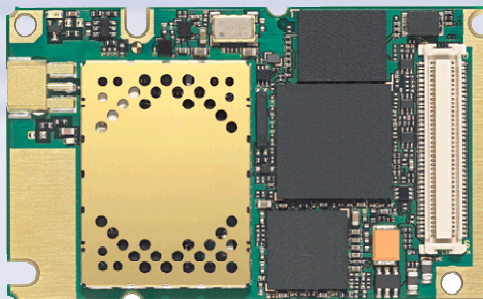


SIEMENS



AC65/AC75 Siemens Cellular Engines

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Release Notes

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1 Preamble

These Release Notes describe the two firmware releases

AC65 01.002

AC75 01.002

The difference between both modules is that AC75 additionally features EGPRS. So, all statements related to EGPRS, especially in the common Hardware Interface Description [2], apply only to AC75.

1.1 Related Documents

- [1] AC65 AT Command Set 01.002
AC75 AT Command Set 01.002
- [2] AC65/AC75 Hardware Interface Description 01.002
- [3] DSB75 Support Box - Evaluation Kit for Siemens Cellular Engines
- [4] Application Note 02: Audio Interface Design for GSM Applications
- [5] Application Note 07: Rechargeable Lithium Batteries in GSM Applications
- [6] Application Note 16: Upgrading Firmware
- [7] Application Note 17: Over-The-Air Firmware Update
- [8] Application Note 22: Using TTY / CTM Equipment
- [9] Application Note 26: Power Supply Design for GSM Applications
- [10] Application Note 24: Application Developer's Guide
- [11] Application Note 32: Integrating USB into GSM Applications
- [12] Remote SAT User's Guide
- [13] Multiplexer User's Guide
- [14] Multiplex Driver Developer's Guide for Windows 2000 and Windows XP
- [15] Multiplex Driver Installation Guide for Windows 2000 and Windows XP
- [16] Java User's Guide
- [17] Java doc \wtk\doc\html\index.html

2 Improved Features

| | |
|------------------------------|--|
| AT^SMONG | <p>An incoming or outgoing voice call or CSD connection does no longer affect the GPRS (or EGPRS) status indicated by the AT^SMONG parameter "G": Instead of reverting to "0" (= GPRS not available) during the call, the "G" parameter now keeps the value used before the call.</p> <p>The description provided in [1] has been modified accordingly, see chapter "AT^SMONG Cell Info Table".</p> |
| AT^SCFG, Autoexec feature | <p>The Autoexec feature requires that the executed AT command string be input either according to the GSM or according to the UCS2 alphabet (depending on AT^CSCS setting). So please keep in mind that if the GSM alphabet is enabled special characters within the executed AT command shall be issued as escape sequences. A list of typical escape sequences can be found in [1], see section "GSM Alphabet Tables and UCS2 Character Values". For example, the caret character "^" included in all Siemens defined AT commands shall be given as "\1B\14", e.g. "AT\1B\14SMSO".</p> |

3 Known Issues

| | |
|--|--|
| Fax | <p>Proper functioning of fax transmission cannot be guaranteed under all circumstances.</p> |
| AT+IPR=0 Autobauding | <p>Autobauding currently does not support 460800 bps. Therefore, if the module has autobauding enabled, 230400 bps is the maximum bit rate the host application may be configured to. Further details on autobauding, especially instructions on how to activate it, can be found in [1].</p> |
| Incoming call during NON-CYCLIC SLEEP mode AT+CFUN=0 | <p>Avoid sending an AT command while the ME is configured for AT+CFUN=0. Otherwise it is possible that, when woken up by an incoming call, the ME first tries to process an AT command received during the SLEEP mode and then starts to indicate the RING URC. The AT command shall be ignored.</p> |
| Intialization after startup | <p>After indication of the "^SYSSTART" URC, the current firmware release requires a 300ms delay before the first AT command (or the characters "AT") can be input.</p> |

| | |
|--------------------|--|
| File.copy() method | <p>The File.copy() method works correctly only if the file size is not greater than 65534 bytes.</p> <p>Workaround: For files equal or greater than 65535 bytes please use the FileConnection interface to implement your own copy method.</p> |
| AT^SRSA | <p>If the SAP client uses the graceful disconnect command (<discType 0) it is recommended to wait until the “^SRSA:...“URC confirms that the RSA connection was properly closed.</p> <p>If nevertheless, the SAP client attempts to send the immediate disconnect command (<discType> 1) once again when the graceful command execution is still ongoing, then the AC65/AC75 issues the response “^SRSA: 6” (Error SAP mode is active).</p> |
| AT^SRSA | <p>When an RSA connection is disconnected by the SAP server or SAP client, it is possible that the same unsolicited result code ^SRSA: <devId>, <sapRole>, <connState>, <linkChangeCause> is generated twice, though the connection is released successfully.</p> |
| AT^SJSEC under JVM | <p>When writing data or certificates with AT^SJSEC by means of the Java ATCommand class take care that you send the content in at least two packets. The size of each packet shall not exceed 1023 bytes.</p> |