

A7672M7 Firmware Release Note

Latest Version: A011B12A7672M7

General Notes

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A7672M7 LTE

1 Preamble

This Release Note introduces A7672M7 Firmware versions and briefly describes the benefits over preceding release. Also you can find differences compared with preceding release.

New Features: list features or AT commands which are newly developed compared with the preceding version.

Improved Features: list features or parameters that have been changed or improved compared with the preceding version.

Related documents

- [1] A76XX Series_AT Command Manual_V1.06.docx
- [2] A76XX Series_TCPIP_Application Note_V1.02.docx
- [3] A76XX Series_HTTP(S)_Application Note_V1.03.docx
- [4] A76XX Series_FTP(S)_Application Note_V1.02.docx
- [5] A76XX Series_MQTT(S)_Application Note_V1.02.docx
- [6] A76XX Series_SSL_Application Note_V1.02.docx
- [7] A76XX Series_LBS_Application Note_V1.02.docx
- [8] A76XX Series_UART_Application Note_V1.02.docx
- [9] A76XX Series_Sleep Mode_Application Note_V1.01.docx
- [10] A76XX Series_UIM HOT SWAP_Application Note_V1.01.docx
- [11] A76XX 系列_云平台协议_应用文档_V1.02.docx
- [12] A76XX Series_Audio_Application Note_V1.03.docx
- [13] A7600 Series_Linux_USB_Application Note_V1.01.docx
- [14] A76XX Series_FOTA_Application Note_V1.02.docx
- [15] A76XX Series_Android_Linux_Upgrade_Manual_V1.01.docx

Version: A011B12A7672M7

[New Features]

[Improved Features]

1. Fixed the issue: An occasional crash during the SSL HTTP MQTT stress test.
2. Fixed the issue: Arguments or return values of some instructions, especially those related to CALL.

Version: A011B11A7672M7

[New Features]

[Improved Features]

1. Fixed the issue: Setting AT+IFC to 2.2 May affect the response of the USB port and cause the USB port to crash.
2. Fixed the issue: PPP dial-up in dual-stack mode fails when the card supports only 4G.
3. Fixed the issue: The first time a module uses a new SIM card it may register to a 2G network.

Version: A011B10A7672M7

[New Features]

1. Added AT+BOOTLDR.
2. Added AT+SIMTONE.

[Improved Features]

1. Optimized Jamming Detection function.
2. Fixed the issue: DTMF 100ms Report Issue.
3. Fixed the issue: In 2G network, repeated PPP dialing may cause crash.
4. Fixed the issue: The module uses the call function, fails to connect the call, and hangs up directly. The module repeatedly reports RING.
5. Fixed the issue:[CALL] After +CLDTMF is executed, the module will crash.
6. Fixed the issue:Failed to test MQTTS connection with error returned.

Version: A011B09A7672M7

[New Features]

[Improved Features]

- 1.Fixed the issue: [V2.5] After siMEI is set, ATI only returns OK.
- 2.Fixed the issue: [FS]+FSOPEN? Query the file name of 115 bytes, and the module restarts.
- 3.Fixed the issue: Noise Cancellation and HandsFree Operations.

Version: A011B08A7672M7

[New Features]

1. Add the Jamming Detection function.

[Improved Features]

1. Fixed the issue: [AUDIO] The module freezes when an incoming call is placed during AUDIO playback.
2. Fixed the issue: [SSL] In transparent transmission mode, enter two + signs and restart.
3. Fixed the issue: Enter [HTTP] continuously: continue +HTTPACTION, +HTTPDATA, +HTTPREAD. Wait half an hour for the module to restart.
4. Fixed the issue: [PPP] PPP repeatedly dials, and the module crashes at a probability.
5. Fixed the issue: [SSL] If there is too much data in the CCH buffer, connect to the server again to receive data, and the module restarts.

Version: A011B07A7672M7

[New Features]

[Improved Features]

1. Fixed the issue: Failed to read ICCID when only the second SIM card was inserted.

2. Fixed the issue: [SSL] In transparent transmission mode, enter two + signs and restart.
3. Fixed the issue: AT+CNETCI? No information can be obtained from frequency scanning.
4. Fixed the issue: [TCPIP] Failed to connect to UDP.
5. Fixed the issue: After the module sleeps, pull DTR to wake up, and AT may not respond.

Version: A011B06A7672M7

[New Features]

[Improved Features]

1. Fixed the issue: The DCD pin cannot be activated.
2. Fixed the issue: An exception occurs when PPP receives large data.
3. Fixed the issue: AT+CNMP=13, only insert the card in slot 2 (Unicom card), then restart the module will crash.
4. Fixed the issue: Cmqttsub Subscription topic exceeds a certain amount of data, query again will cause the module to crash.

Version: A011B05A7672M7

[New Features]

[Improved Features]

1. Modified the configuration of PIN20 to support GPIO.
2. Fixed the issue:[SSL]The CCH is connected repeatedly and a large amount of data is transferred to each other, after the CCH exits, the network is switched, and the module may restart.
3. Fixed the issue:[SSL]If the CCH buffer has too much data, the module will restart after connecting to the server again and receiving data.
4. Fixed the issue:On a 2G network, "AT+CFTPSPUTFILE" an error code 9 is reported when a file is uploaded to the server. The serial port is blocked and no operation can be performed.
5. Fixed the issue:PPP repeatedly dials, and the module may crash.

Version: A011B04A7672M7

[New Features]

1. Baseline upgrade 042.

[Improved Features]

Version: A011B03A7672M7

[New Features]

1. Add ADC calibration.
2. Add query AT instruction to distinguish GPS chips from different manufacturers.

[Improved Features]

1. Fixed the issue:A probabilistic restart occurs,if bluetooth is configured in the software but not in the hardware.
2. Fixed the issue:Format optimization of some instructions.

3. Fixed the issue:The FTP fails to transfer data after the file size changes.
4. Fixed the issue:AT+CCMXSTOP unable to stop playing the wrong AMR file.
5. Fixed the issue:Catstudio failed to transfer files.

Version: A011B02A7672M7**[New Features]**

1. Add the feature:Some platform features are migrated.
2. Add the feature:The simultaneous recording function.
3. Add the feature:Some AT instructions are optimized.
4. Add the feature:Porting China Telecom related test code.

[Improved Features]

1. Fixed the issue:The problem of China Telecom self-registration failure.
2. Fixed the issue:Repeat network registration.
3. Fixed the issue:Character array and other parameters out of bounds exceptions.
4. Fixed the issue:Improved dual SIM card function.
5. Fixed the issue:Some SIM card calls cannot be connected.

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