



对于 SINAUT GSM modem MD720-3, 如何参数化 TS Adapter II ?

显示订货号

6ES7842.. SIMATIC S7, TELESERVICE SOFTWARE
6ES7972-0CA3.. SIMATIC S7, TS Adapter
[6NH9720-3AA00 SINAUT MD720-3 GSM/GPRS MODEM;](#)

使用说明:

为了建立 TS Adapter II 和 SINAUT GSM modem MD720-3 之间的通讯, 必须满足下列的要求:

- TS Adapter II 版本: V1.1.3 或者更高。
- Teleservice 软件版本: V6.0 SP1 或者更高。
- GSM modem MD720-3 软件版本: V1.1.3 或者更高。
- GSM modem MD720-3 硬件版本: V3.3 或者更高。
- 用直连线电缆连接。RS232 接口的针应对应连接。

下表描述了对于 SINAUT GSM modem MD720-3 参数化 TS Adapter II 的步骤:

顺序.	步骤:
1	为了建立modem的连接, 对于MD720-3 参数化TS Adapter是必须的。而且参数化时需用USB 电缆连接 TS Adapter到PC上并且本地连接设置为直接连接(通过 USB). <ol style="list-style-type: none">1. 在 SIMATIC manager 里打开 PG/PC 接口 "Options > Set PG/PC interface..." 并设置访问点为 "S7ONLINE (STEP 7)" 对于 TS Adapter I/II 接口连接设为: "TS Adapter"。2. 接着点击"Properties"按钮在 "Local connection"标签下选择 "Direct connection on:"选项。3. 从下拉列表框里选择 "USB"4. 点击 OK 在 PG/PC 下保存配置参数。
2	在SIMATIC Manager里, 通过"Options > Teleservice"开始teleservice 选件包并通过"Options > Parameterize Adapter I/II..."打开接口的参数配置对话框 "Parameterize Adapter I/II"
3	在 "Serial parameters" 标签里, 设置传输的波特率为 19200 bit/s. 注意: GSM modem MD720-3 只能工作在波特率 19200 bit/s.
4	在"Info" 标签里, 检查 GSM modem 的版本号状态。如果 SINAUT GSM modem 和 TS Adapter 的 RS232 接口通过 RS232 电缆连接, GSM modem 版本号的状态能够被读出如下图 1 所示。

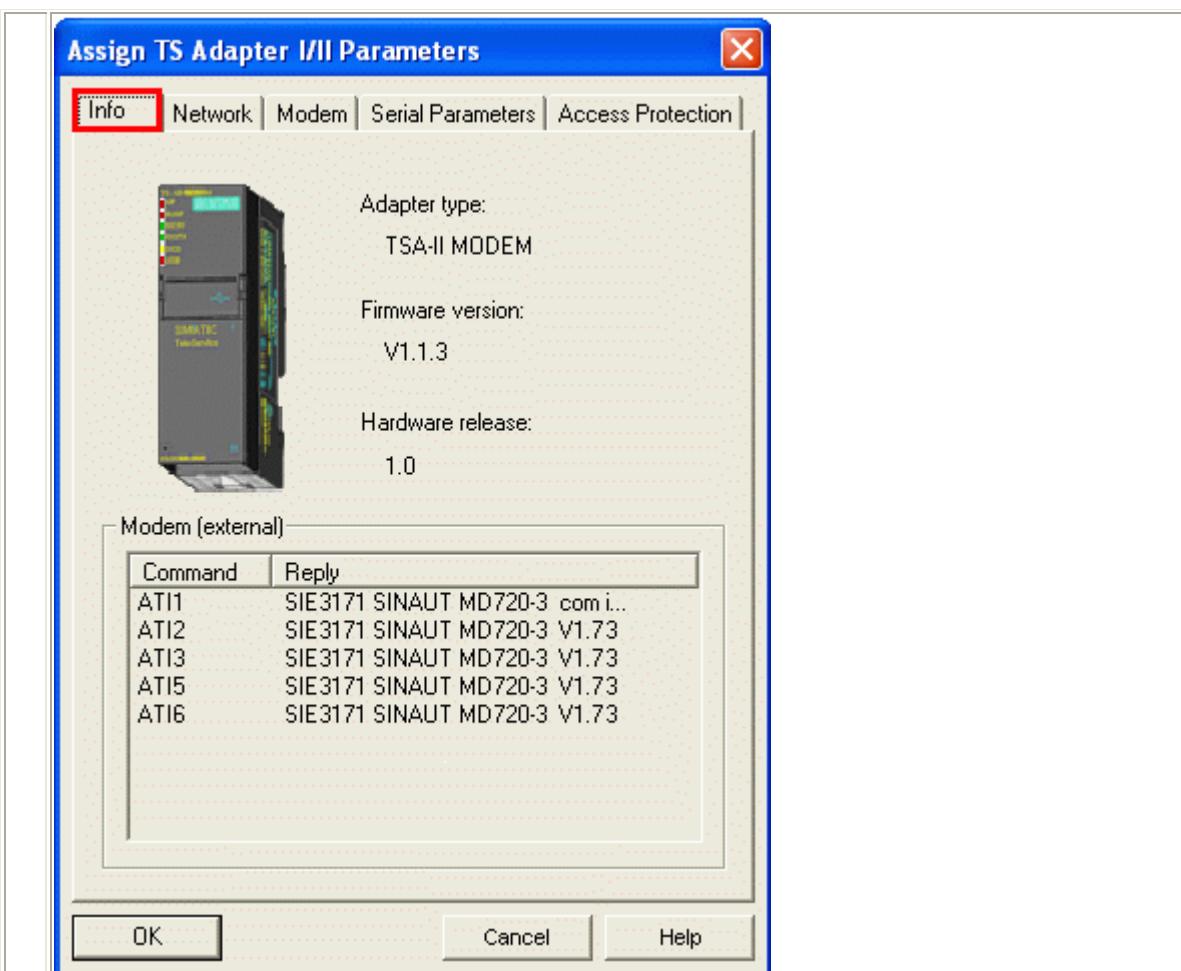


图 01

如果 GSM modem MD720-3 的版本号低于 1.7.3., 那么必须升级到 1.7.3 以上。在下面的条目中可以找到关于升级的相关信息:

- 如何升级 SINAUT MD720-3 modem 软件版本?
(条目号: !23067682!).

注意:

如果在上面的 info 页中仅获得 "TIMEOUT" 的信息, 那么需要检查一下电缆和传输的波特率。设置传输的波特率为 19200 bit/s, 保存参数并等待大约 10 秒钟。然后, 需要重新调用 "Parameterize Adapter I/II" 对话框。

5	在 "Network" 标签里设置一个在网络中没有被分配的 TS Adapter 的地址。建议不要使用地址 0, 因为一般在缺省情况下 PG 使用了地址 0 这样可以避免冲突发生。
6	切换到 "Modem" 标签并在 "modem settings and initialization" 下设置如下图 2 的参数。 <ul style="list-style-type: none">• AT+CPIN="1234";AT&FE1L1M1Q0V1&C1S0=1 (1234 是一个 PIN 码) AT 指令 AT+CPIN="1234" 传输 PIN 码到使用的 SIM 卡。初始化的字符串保存在 TS Adapter 当设备当上电后发送到相连的设备, 例如, 要注意的是输入的 PIN 码"1234" 是由服务供应商提供的。

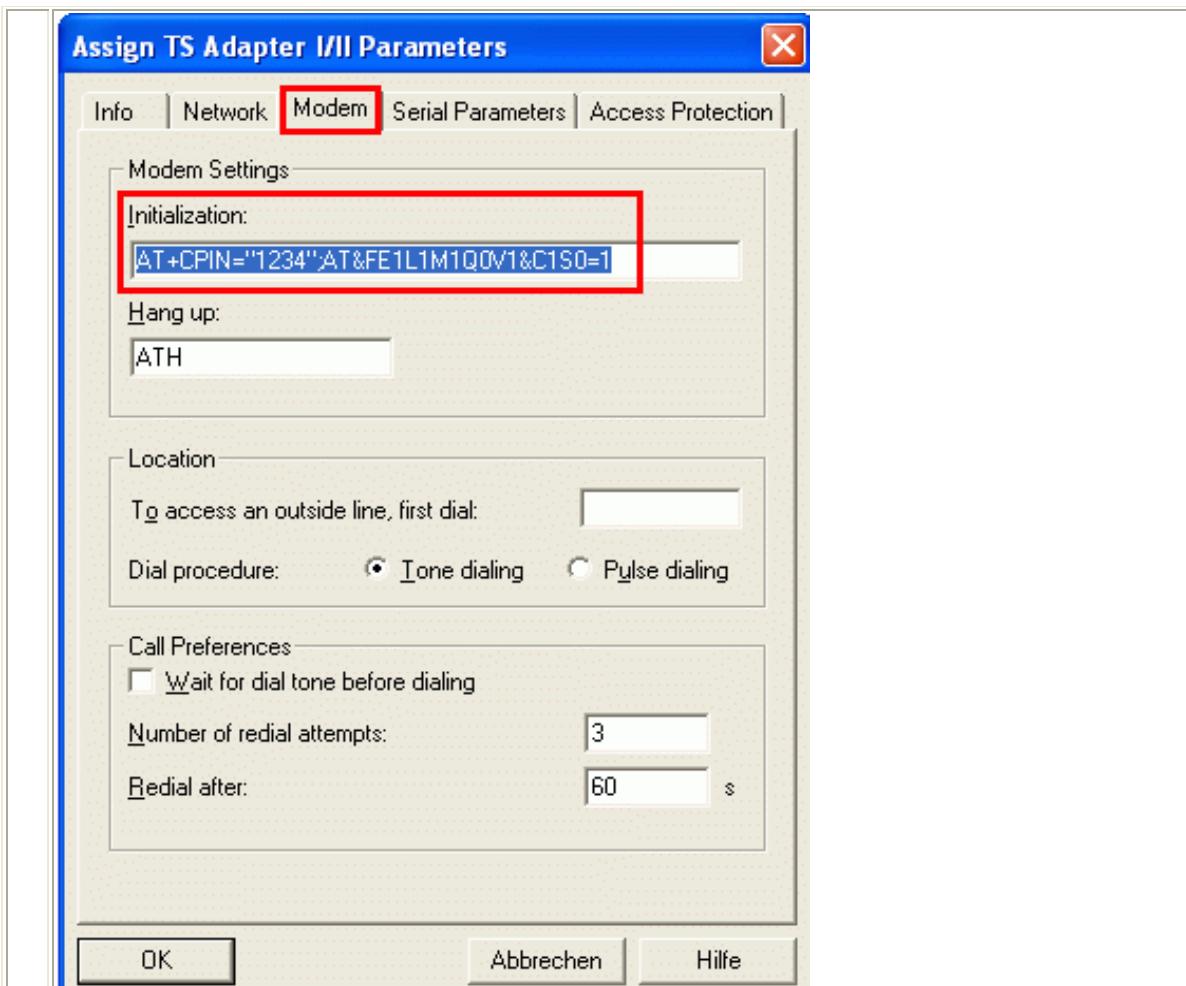


图. 02

- 7 在"Access protection" 标签里, 可以选择对teleconnection作访问保护。通过定义用户和密码或者设置回调号来激活访问保护。
- 8 通过点击"Parameterize Adapter I/II"对话框 OK 来保存参数。这样就完成了对与 modem 为 SINAUT GSM modem MD720-3 TS Adapter 的设置。关于连接和使用 GSM modem 的更多信息参看。
- System manual GPRS/GSM modem SINAUT MD720-3
(条目号: !23117745!).

关键字:

终端模式

#Ende#

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条目号:30330207

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How can the TS Adapter II be parameterized for the SINAUT GSM modem MD720-3?

▼Display part number

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**Instructions:**

To set up communication between the TS Adapter II and the SINAUT GSM modem MD720-3, the following requirements must be fulfilled:

- Firmware version of the TS Adapter II: V1.1.3 or higher,
- Version of the Teleservice software: V6.0 SP1 or higher,
- Firmware version of the GSM modem MD720-3: V1.1.3 or higher,
- Hardware version of the GSM modem MD720-3: V3.3 or higher.
- No zero modem cable may be connected. The PIN assignments must be 1:1 for a connection to the RS232 interface.

The table below describes the procedure for parameterizing the TS Adapter II for the SINAUT GSM modem MD720-3:

No.	Procedure:
1	<p>The TS Adapter must be parameterized for the MD720-3 in order to set up a modem connection. The TS Adapter must be connected to the PC via a USB cable and the local connection must be set to direct connection (via USB).</p> <ol style="list-style-type: none">1. Open the PG/PC interface in the SIMATIC manager via "Options > Set PG/PC interface..." and set the access point "S7ONLINE (STEP 7)" for a connection to a TS Adapter I/II to the interface: "TS Adapter".2. Then click on the "Properties" button and choose the option field "Direct connection on:" in the "Local connection" tab.3. Choose "USB" from the drop-down list box4. Save your settings in the PG/PC interface with OK.
2	In the SIMATIC Manager, start the teleservice options package via "Options > Teleservice and open the parameterization interface of the TS Adapter with "Options > Parameterize Adapter I/II...". The dialog "Parameterize Adapter I/II" is opened.
3	<p>In the "Serial parameters" tab, set the transmission rate to 19200 bit/s. Note: The GSM modem MD720-3 only works with the transmission rate of 19200 bit/s.</p>
4	In the "Info" tab, check the version status of the GSM modem. If the SINAUT GSM modem and the RS232 interface of the TS Adapter are connected to the RS232 cable, the version status of the GSM modem can be read as in Fig. 01.

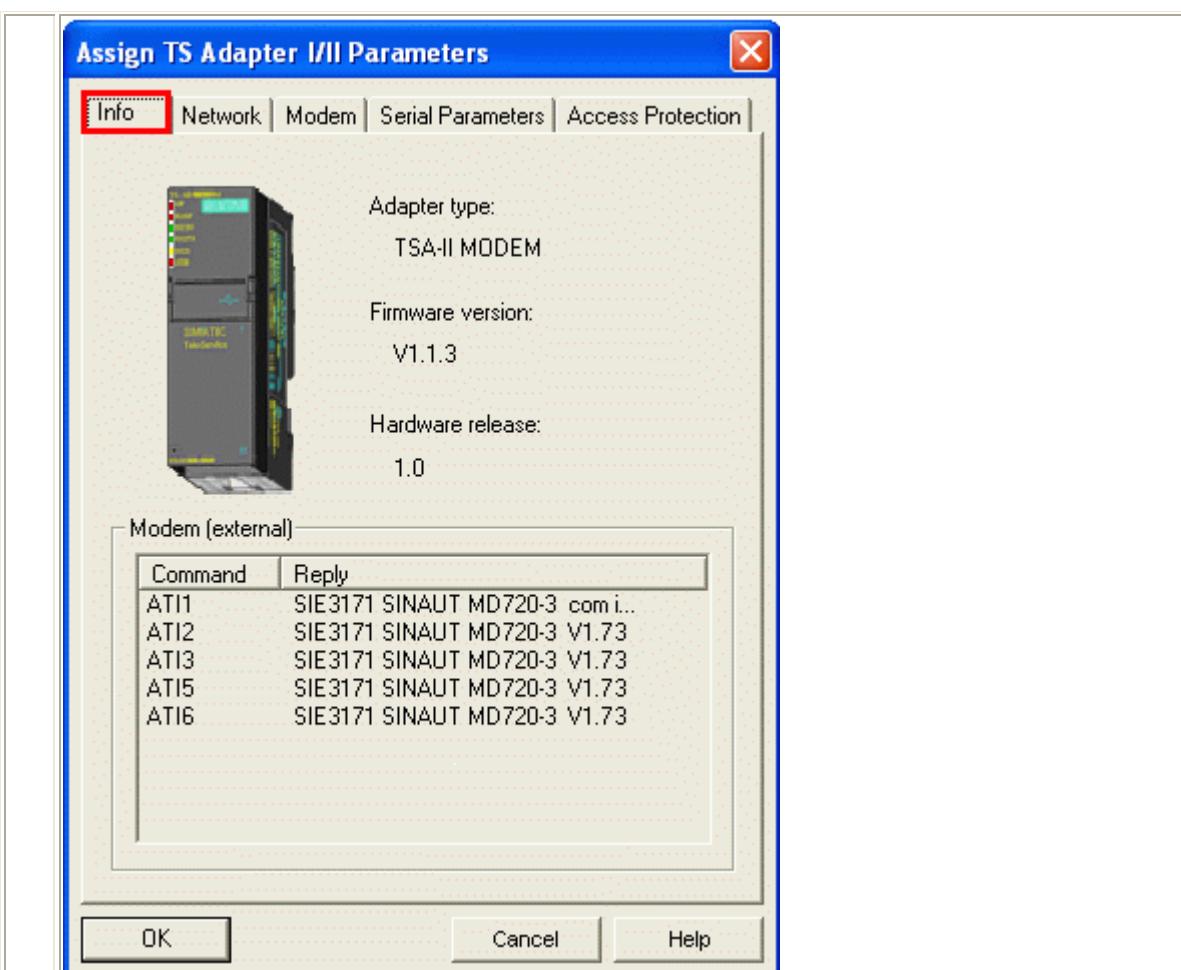


Fig. 01

You have to upgrade the firmware version if the GSM modem MD720-3 does not have at least the firmware version 1.7.3. You can find additional information about this in the entry:

- How do you perform a firmware update on the SINAUT MD720-3 modem?
(in Entry ID: [23067682](#)).

Note:

If you just get a "TIMEOUT" on the above-mentioned info page, then check the cable and the transmission rate. Set the transmission rate to 19200 bit/s, save the parameterization and then wait approximately 10 seconds. Afterwards, you have to call the dialog "Parameterize Adapter I/II" again.

5 Parameterize the TS Adapter in the "Network" tab with an address that has not yet been assigned in the network. We recommend that you do not use the address 0 as PGs normally use the address 0 by default and so a conflict might arise if the PGs are used.

6 Change to the "Modem" tab and enter the following string as in Fig.02 under modem settings and initialization:

- AT+CPIN="1234";AT&FE1L1M1Q0V1&C1S0=1
(1234 is a sample PIN number)

The AT command AT+CPIN="1234" transfers the PIN to the SIM card used. The initialization string stored in the TS Adapter is sent to the components connected after voltage recovery, for example. Note that at "1234" you must enter the PIN number assigned by your provider.

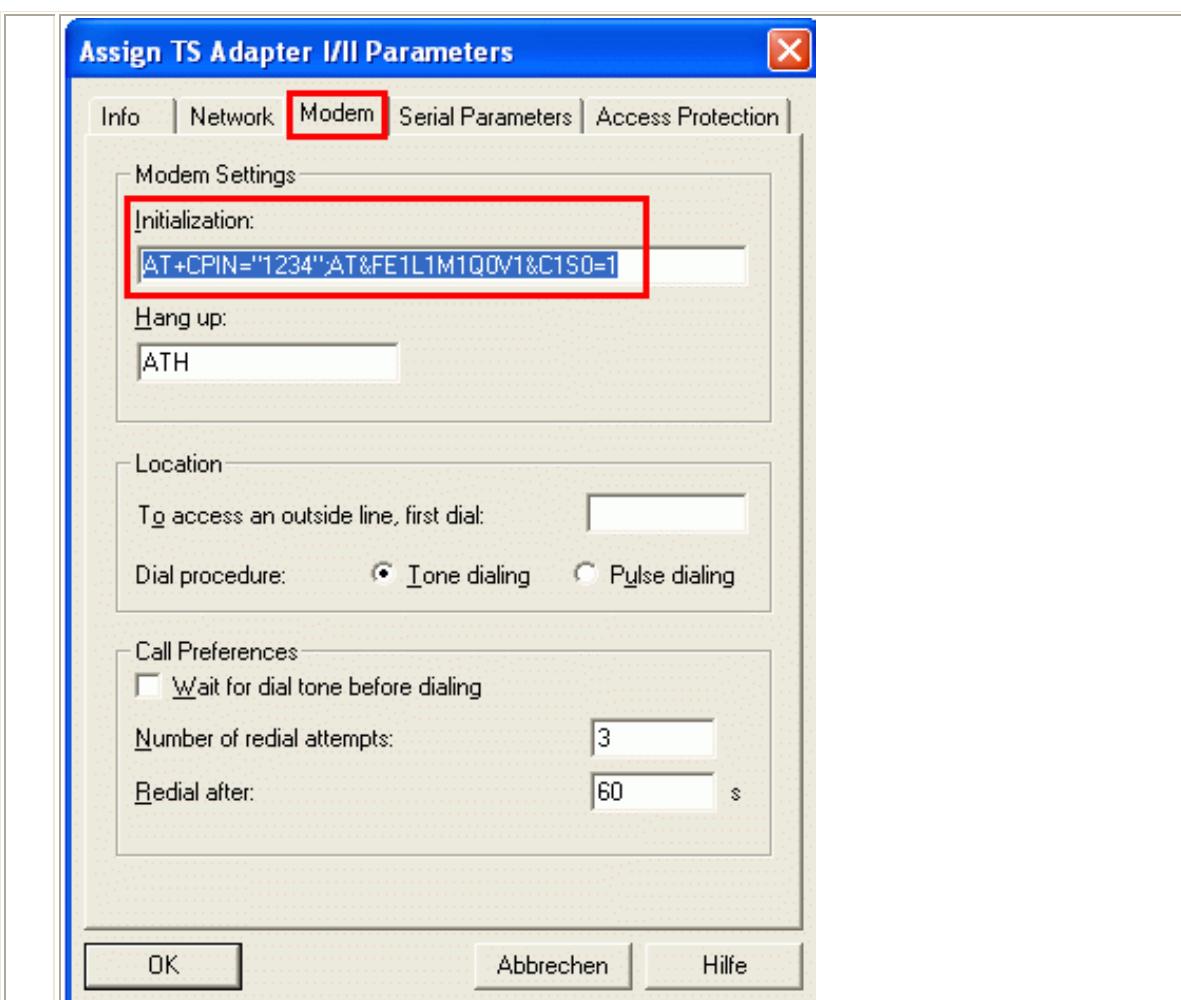


Fig. 02

- | | |
|---|---|
| 7 | In the "Access protection" tab, you have the option to set up an access protection for a teleconnection. Activate the access protection by defining the password for a user and/or a call back number. |
| 8 | Save and close the dialog "Parameterize Adapter I/II" with OK. The parameterization of the TS Adapter II for the SINAUT GSM modem MD720-3 is then complete. For further information on connecting and starting the GSM modem, see <ul style="list-style-type: none">• System manual GPRS/GSM modem SINAUT MD720-3 (Entry ID: 23117745). |

Keywords:

Terminal mode

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