

Windows7 64 位 不能安装 STM32 虚拟串口驱动解决方法

1、对于一些精简过的系统，无法安装虚拟串口，是由于系统缺少 mdmcpq.inf 和 usbser.sys 文件所造成的。只需要将文件下载下来放在相应的文件夹下面就行了。

文件对应的目录如下：

mdmcpq.inf 在 C:\WINDOWS\INF 目录；

usbser.sys 在 C:\WINDOWS\SYSTEM32\DRIVERS\目录。

2、修改 mdmcpq.inf

[FakeModemCopyFileSection]

usbser.sys,,,0x20

修改为

[FakeModemCopyFileSection]

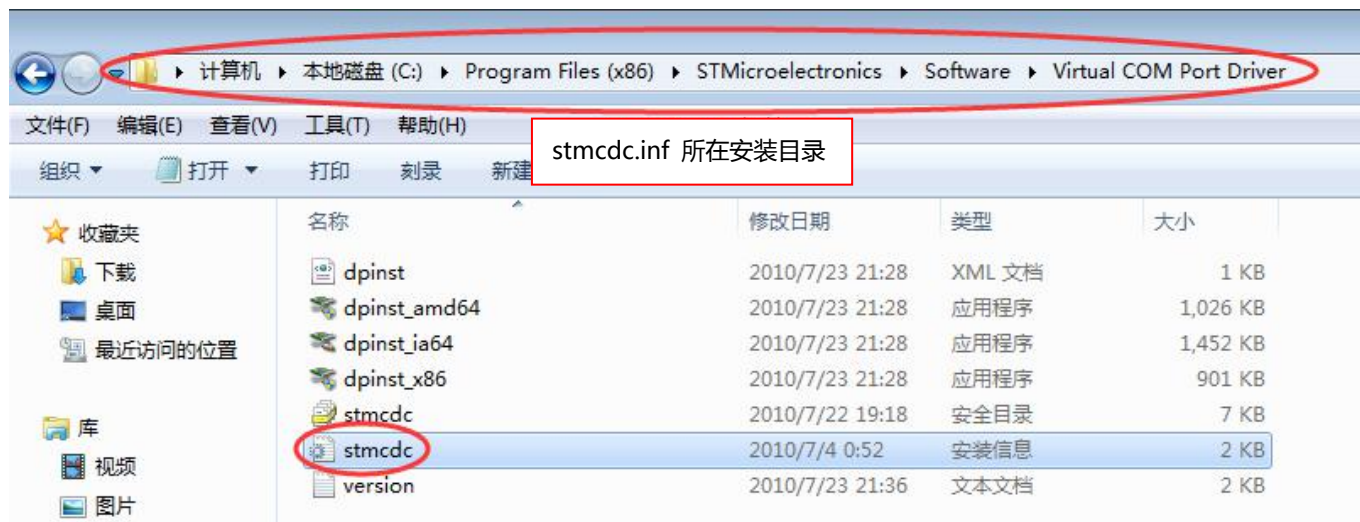
;usbser.sys,,,0x20

修改 1

正是这一段文件的错误导致在安装时不能将 FileRepository 文件夹中的 usbser.sys 文件复制到 drivers 目录下，导致安装错误。

3、在完成上面两步之后，安装驱动文件 stmcdc.inf，注意 PID/VID 和 SM32T 程序中的使用一致。

附上 stmcdc.inf 文件，红色标注处为需要修改的地方：



```
-----  
; STMicroelectronics Communication Device Class driver (CDC) INF FILE  
; (C)2009 Copyright STMicroelectronics  
-----
```

[Version]

Signature="\$Windows NT\$"

Class=Ports

ClassGuid={4D36E978-E325-11CE-BFC1-08002BE10318}

Provider=%MANUFACTURER%

LayoutFile=layout.inf

;CatalogFile=%FILENAME%.cat

DriverVer= 9/20/2009,1.2.0

[Manufacturer]

%MANUFACTURER%=DeviceList,NTamd64

[DestinationDirs]
DefaultDestDir=12

; Windows 2000/XP/Vista32 Support

[DriverInstall.nt]
include=mdmcpq.inf
CopyFiles=DriverCopyFiles.nt
AddReg=DriverInstall.nt.AddReg
[DriverCopyFiles.nt]
usbser.sys,,,0x20
[DriverInstall.nt.AddReg]
HKR,,DevLoader,*ntkern
HKR,,NTMPDriver,%DRIVERFILENAME%.sys
HKR,,EnumPropPages32,"MsPorts.dll,SerialPortPropPageProvider"
[DriverInstall.nt.Services]
AddService=usbser, 0x00000002, DriverService.nt
[DriverService.nt]
DisplayName=%SERVICE%
ServiceType=1
StartType=3
ErrorControl=1
ServiceBinary=%\%DRIVERFILENAME%.sys

; Windows Vista64 Support

[DriverInstall.NTamd64]
include=mdmcpq.inf
CopyFiles=DriverCopyFiles.NTamd64
AddReg=DriverInstall.NTamd64.AddReg
[DriverCopyFiles.NTamd64]
%DRIVERFILENAME%.sys,,,0x20
[DriverInstall.NTamd64.AddReg]
HKR,,DevLoader,*ntkern
HKR,,NTMPDriver,%DRIVERFILENAME%.sys
HKR,,EnumPropPages32,"MsPorts.dll,SerialPortPropPageProvider"
[DriverInstall.NTamd64.Services]
AddService=usbser, 0x00000002, DriverService.NTamd64
[DriverService.NTamd64]
DisplayName=%SERVICE%
ServiceType=1
StartType=3
ErrorControl=1
ServiceBinary=%\%DRIVERFILENAME%.sys

; VID/PID Settings

[SourceDisksFiles]
[SourceDisksNames]
[DeviceList]

%SCRIPTION%=DriverInstall , USB\VID_0483&PID_7540

修改 2

[DeviceList.NTamd64]

%SCRIPTION%=DriverInstall , USB\VID_0483&PID_7540

修改 3

; String Definitions

[Strings]

FILENAME="ST_Virtual"

DRIVERFILENAME ="usbser"

MANUFACTURER="STMicroelectronics"

INSTDISK="CDC_DISK"

DESCRIPTION="STM Virtual COM Port"

SERVICE="Virtual Com Driver"