

**User Manual for MCS7840/7820****RS232/422/485 for Windows CE .NET 5.0 Platform****MosChip Semiconductor Technology Ltd**  
**Version 0.2, January 29, 2008****1. Driver Disk for MCS7820/7840 WinCE 5.0**

MCS7820/7840 driver disk with RS422/485 support for Win CE 5.0 contains the following files by default.

1. SpecCe50.dll (for a given pre defined platform x)
2. SpecCe50.inf (for a given pre defined platform x)

**2. Creation of cab file and its Installation**

Generating SpecCe50.cab file with RS232 and RS422/485 mode settings on different ports can be achieved by following the steps given below.

1. Open **SpecCe50.inf** that comes along with the driver disk.
2. Under **[RegSettings]** section of **SpecCe50.inf** add **HKLM,%reg\_path1%,1,0x00010001,192** entry at the bottom of the section. "1" in the entry denotes the COM port number. Entries should be added for com ports to work in RS422/485 mode by giving the appropriate com port numbers. E.g. If com port 1 & 3 are to be used as RS422/485 and com port 2 & 4 as Rs232 just add the entries as below

**HKLM,%reg\_path1%,1,0x00010001,192**

**HKLM,%reg\_path1%,3,0x00010001,192**

3. Copy the entire updated **drvdsk** folder (which contains updated inf file) to **C:\**
4. Delete the SpecCe50.cab file in the drvdsk folder if it already exists.
5. Open command prompt and change the directory to **C:\Program Files\Windows CE Platform Builder\5.00\CEPB\BIN** and run **cabwiz.exe [Path of the SpecCe50.inf file]**.

E.g. **>cabwiz.exe c:\drvdsk\SpecCe50.inf**

This will generate SpecCe50.cab in the \drvdsk folder (This requires the presence of platform builder in the PC).

6. The generated SpecCe50.cab should be copied to the WinCE device for use.
7. Double click on the SpecCE50.cab file, click **OK** to install and then plug in the MCS7840/20 device.

*Note: RS232/485 modes of serial ports can not be changed dynamically. If the user wants to use a RS232 serial port in RS485 mode, he needs to uninstall the earlier driver, create a new cab file with required serial port settings and then install the latest cab file.*