



Sharing Folders in Windows CE 5.0

2006-06-02

This document will show developers how to share folders via SMB service. User can use Windows file explorer to access Windows CE device. Here are simple steps to enable this function:

1. Add those components:

- **Core OS -> Windows CE devices -> Communication Services and Networking -> Servers -> File Server.**
- **Core OS -> Windows CE devices -> Communication Services and Networking -> Networking Features -> Windows Networking API/Redirector (SMB/CIFS).**

2. Add those registry settings:

```
[HKEY_LOCAL_MACHINE\Ident]
  "Name"="WinCE"
  "Desc"="Windows CE Test Device (ICOP)"
  "OrigName"="WindowsCE"

[HKEY_LOCAL_MACHINE\Services\Smbserver]
  "AdapterList"="*"
  "dll"="smbserver.dll"
  "Keep"=dword:1
  "Order"=dword:9

[HKEY_LOCAL_MACHINE\Services\SMBServer\Shares]
  "UseAuthentication"=dword:0

[HKEY_LOCAL_MACHINE\Services\SMBServer\Shares\HDD]
  "Path"="\Hard Disk"
  "Type"=dword:0
  "UserList"="@*;"
```

Developers can search "SMBServer" in help of Platform Builder to get more detail about those registry settings.

3. Because we share hard disk, we have to add those components to make Windows CE can recognize it:

- **Device Drivers -> Storage Devices -> ATAPI PCI/IDE Storage Block Driver -> ATAPI PCI/IDE Storage Block Driver**
- **Core OS -> Windows CE devices -> File Systems and Data Store -> Storage Manager -> FAT File System**



4. Build and run your new Windows CE on ICOP boards. We assign the name of Windows CE to “WinCE”, so ping it in DOS prompt to make sure it is working:

```
C:\>ping wince

Pinging wince.icop.com.tw [192.168.1.36] with 32 bytes of data:

Reply from 192.168.1.36: bytes=32 time<1ms TTL=64
Reply from 192.168.1.36: bytes=32 time<1ms TTL=64
Reply from 192.168.1.36: bytes=32 time<1ms TTL=64
Reply from 192.168.1.36: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.1.36:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>dir z:
```

5. Run this command to link to share folder in Windows CE device:

```
C:\>net use z: \\wince\hdd
The command completed successfully.

C:\>
```

After that, a new drive Z: will appear in your Windows. You can access shared folder on Windows CE as normal folder.

The other way to access shared folder is to type “\wince” in address bar of your file explorer. Press right mouse button on “\winceHDD” and select “**Map Network Disk**” to access shared folder.

Technical Support

For more technical support, please visit <http://www.dmp.com.tw/tech> or mail to tech@dmp.com.tw.