Poulsbo USB Client Software For Embedded Menlow Gold Driver Release Notes

July 11, 2008

Revision History

Date	Driver	Description
November 19 th , 2007	Alpha	Alpha drop of the Poulsbo USB Client driver for XP and XPe
July 11, 2008	Gold	Gold drop of the Poulsbo USB Client driver for XP and XPe

Poulsbo USB Client Software

The Poulsbo USB Client Software supports the Poulsbo Chipset for Windows XP and XPe

Installation Instructions XP Pro

Install XP Pro with SP2 operating system on the Poulsbo system.

USB Client Software Installation

- 1. Get the zipped release file. Unzip it.
- 2. Double click on setup.exe and the following Client utility is seen. Click 'Next'



- 3. When the installation is in progress, click 'OK' or 'Continue' for any warning message (usually related to windows logo certification) that appears
- 4. Once the setup is complete. Click 'Finish'



5. A pop up USB Client Wizard screen appears immediately after installation is complete as follows. Click 'Next'

😽 USB Client Wizard -	Welcome	
Host System	USB Client Wizard The following pages will guide you through setting up the settings on your UMPC device. After completing this wizard, you will be able to attach your UMPC device to other computers to begin transferring files.	
	< Back Next > Can	:el

6. Select the share options as per the need. In the below mentioned screen, for example, both 'File sharing' as well as 'shared Documents sharing' has been enabled (selected 'On')

🔄 USB Client	Wizard - Share Options
Share Opti Please r	ons eview the following share options before continuing.
File sharin When file sh accessed by File sharing	g aring is on, files and printers that you have shared from this computer can be people on the network. needs to be enabled for the USB Client software to function correctly!
💿 0n) DII
Shared D a When Share Shared Doc	cuments sharing d Documents sharing is enabled, people on the network can access files in the unents folder.
💿 On	O Dff
	< <u>Back</u> <u>N</u> ext> Cancel

Click 'Next'

7. Select the drive/folder which has to be shared by clicking 'Browse'. For example, in the below mentioned figure, C:\USBC_Shared folder is the one that has to be shared. Then, click 'Add'

hare Setup	Share Option	s Advanced		
Browse fo	share			
Share path:	C:\USBC	_Shared		Browse
Share name	; USBC_SH	nared		Add
Current st documents shared doc	ares on you - (C:\DOCUM uments - (C:\I	IF SYSTEM ENTS AND SETTINGS\ALL DOCUMENTS AND SETTIN	JSERS\DOCUME	Unshare
Current sl documents shared doc	a res on you - (C:\DOCUM uments - (C:\l	IF SYSTEM ENTS AND SETTINGS\ALL DOCUMENTS AND SETTIN	JSERS\DOCUME 55\ALL USERS\D	NTS Unshare Rename
Current sf documents shared doo	a res on you - (C:\DOCUM uments - (C:\l	IF SYSTEM ENTS AND SETTINGS\ALL DOCUMENTS AND SETTIN	JSERS\DOCUME SS\ALL USERS\D	NTS Unshare Rename Permissions

The following message appears indicating that the sharing was successful



Verifying USB Client controller installation and drive/folder sharing

1. Right click on 'My Computer', select 'Manage', then click on 'Device Manager'. In 'Device Manager', click on 'Network adapters' and Intel USBC Client controller should show up as "Intel(R) USB Client Ethernet Device" as seen below



2. To verify whether sharing was successful or not, right click on the particular shared folder/drive ('C:\USBC_Shared' in this example), click on 'Properties', select 'Sharing' Tab. 'Share this folder on the network' and 'Allow Network users to change my files' should appear *checked* as shown below



Setup for Host System

1. Plug in the USB cable (5 pin Mini-B) between client and host PC's.

2. Wait for Autoplay. Use the 'Launch Intel® USBC Host Installer' option in the AutoPlay dialog box (as shown below) to install the Host software. If AutoPlay has been disabled, manually launch Install.exe



3. Host installation utility appears as follows, click 'Next'



Check 'Install the utility' and click 'Next'



If the 'Found New hardware Wizard' appears, check 'Yes, this time only', click 'Next' (shown below)

In some cases, the window below may not appear and it will install immediately



Check 'Install the software automatically (Recommended)' and click 'Next'



Once the necessary files are copied and setup is complete, a screen similar to the following appears.

You may see some warning messages - click "OK" or "Continue" and move forward.



Click 'Finish'

4. A USBC host Wizard appears as follows after installation is completed



Next, 'Connecting..' wizard appears, which automatically checks for IP and does the actual connection to the client

	E
Connecting	
The wizard is now establishing the connection between your client machine and this computer. Please wait.	4
Switching to RNDIS interface - done	
Verifying network interface - done	
Checking IP - done	
Verifying connection - done	
Click Next to select a drive and remote shared folder to map.	

Then the wizard searches for any shared folders/drives in the Client system, as shown below

Enumerating remote shared folders	X
Now searching for shared folders. Please wait	
Cancel	

Finally, the following screen is presented which details all the shared folders and the default drive letter to which it has to be mapped. In the example below, 'Shared Documents' will be mapped to Drive 'Y:'

emote Share	d Folders t a shared folder on your clie	ent to map as a local	drive	
Select Drive L Drive Letter	atter and Share Folder Remote Shared Folder			
 Always ma Always ma 	p to the selected drive p to the first available drive	ARED DOCUMENTS	5	×
Other Options	hared folder automatically wi	hen connection is es	tablished	

Click 'Finish'

5. Once installed, the shared drives will automatically be remapped (after a PC reboot, say) and/or can be done manually by double-clicking the USB Client Host Utility icon which shows a screen similar to this. Options to 'Refresh' the connection, 'Remap' the drives (if mapped earlier) appears as shown.

😓 USB Client Host Utility
Configuration Status
Current Mapping: \\INTEL-DXA4T61YV\SHARED DOCUMENTS mapped to
Drive Remote Shared Folder Image: Shared Folder Image: Shared Folder Image: Shared Folder Image: Shared Folder Image: Shared Folder and Shared Folder Image: Shared Folder and Shared Folder Image: Shared Folder automatically when connection is established Image: Shared Folder automatically when connection is established

Verifying USB Host utility installation

1. Right click on 'My Computer', select 'Manage', then click on 'Device Manager'. In 'Device Manager', click on 'Network adapters' and Intel USBC Host utility should show up as "Intel(R) USB Client Remote NDIS device" as displayed below



Installation Instructions XP Embedded

USB Client Software Installation

Microsoft Target Designer:

1. You need to have a User Account Component with User Type set to Administrator

First User Log On:

- 1. The first user log on needs to be done with the user account that has Administrator privileges
- 2. Select USBC Client Utility Shortcut on the Desktop and follow the instructions.

Setup for Host System

Use the Launch Intel® USBC Host Installer option in the AutoPlay dialog box when you connect the USB cable to install the Host software. If AutoPlay has been disabled, manually launch Install.exe

Uninstall Instructions

Please use the "Add/Remove Programs" to un-install the software. Do not use the device manager to uninstall under normal circumstances. This will leave application components behind on the system

Known Issues for the Gold USB-Client Driver

Below are some of the issues that may occur intermittently

Title	USBC Remapped to a host: Remapping may intermittently fail.
Reference	
Description	When the USBC has been previously mapped to a host, mapping to a second host can result in connection issues. Also, continued remapping to the same host may occasionally result in a loss of connection.
Implication	Temporary loss of connection may occur.
Resolution/Workaround	 Sever and restore the cable connection. Wait for remap. Attempt to refresh or remap the folder using the host utility. Double click the previously mapped folder in "My Computer" (if the folder has been previously mapped to this host).
Affected OS	Host: WinXP, WinVista; Client: WinXP, WinXPe, WEPOS
Title	Switching Client from RNDIS-only mode back to Mass Storage Device mode: remapping may intermittently fail.
Background	Host drivers can only be installed over a host-client connection when the client is in Mass Storage Device mode. Initial mapping is assumed to be done while the client driver is in Mass Storage Device mode. Normally the driver starts in Mass Storage Device mode, then automatically switches to RNDIS mode.
Description	When the USBC has been previously mapped to this host, and the client is changed to "RNDIS only" mode, changing back to "Mass Storage Device" mode can result in a failed connection.
Implication	Temporary loss of connection may occur.

Resolution/Workaround	 Sever and restore the cable connection. Wait for remap. Attempt to refresh or remap the folder using the host utility. Double click the previously mapped folder in "My Computer" (if the folder has been previously mapped to this host).
Affected OS	Host: WinXP, WinVista; Client: WinXP, WinXPe, WEPOS

Title	"Force to Use USB Full speed = Enabled" option results in no connectivity.
Reference	
Description	"Force to Use USB Full speed" option must be set at "Disabled" in order to achieve host-client connectivity.
Implication	No connection will occur
Resolution/Workaround	Do not set the value to enabled for the property "Force to Use USB Full speed" in the Intel USB Client Ethernet Device Properties.
Affected OS	Host: WinXP, WinVista; Client: WinXP, WinXPe, WEPOS

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