

Advantech AE Technical Share Document

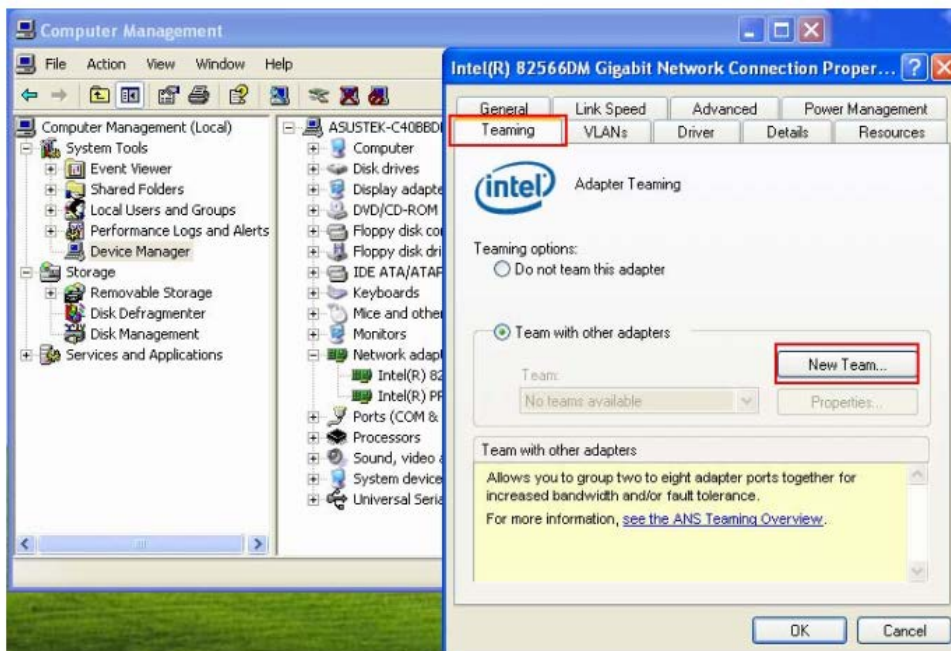
Date	2019 / 07 / 11	Release Note	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	Windows 10 LTSB / LTSC
Abstract	SOP_How to enable Intel LAN teaming function under Windows 10?		
Keyword	Windows 10 / LTSB 1607 / LTSC 1809 / Intel LAN Chip / Teaming		
Related Product	For all ASG products that includes Intel LAN chip		

■ **Problem Description:**

In Windows 7, user just install Intel LAN driver, and then go to device manager, open Intel utility to enable teaming function.

In Windows 10, user can't find any teaming option in the Intel utility.

<Windows7>



■ **Problem Analysis:**

The teaming function is not included by default in the Windows 10, please refer to below

<https://docs.microsoft.com/en-us/powershell/module/netlbf0/?view=win10-ps&viewFallbackFrom=winserverr2-ps>

<https://www.intel.com/content/www/us/en/support/articles/000005667/network-and-i-o/ethernet-products.html>

Depending on the version of Windows 10, there are different ways to enable the teaming function on Intel LAN chip

For Windos 10 2016 LTSB 1607:

User can update their Windows 10 through Internet to enable teaming function.

Or just download and install the specific KB then the teaming function will be able to use.

For Windos 10 2016 LTSC 1809:

User has to open Windows PowerShell and enter the parameters to enable teaming function.

■ **Brief Solution:**

For Windos 10 2016 LTSB 1607:

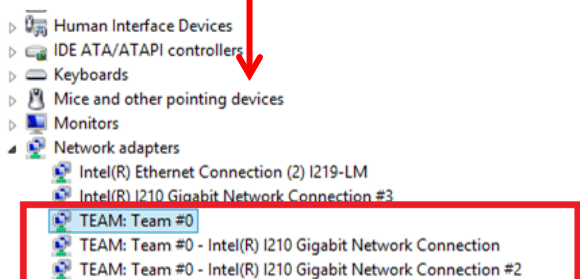
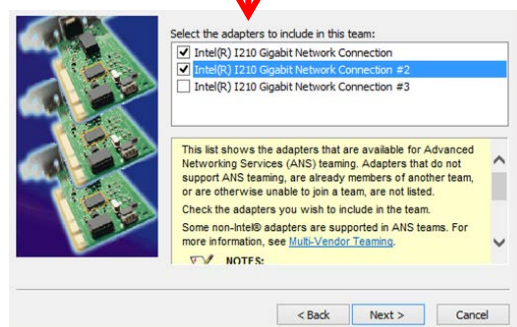
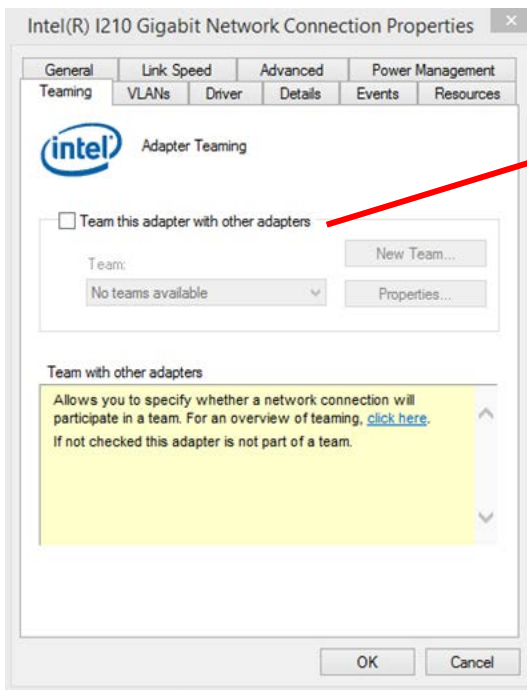
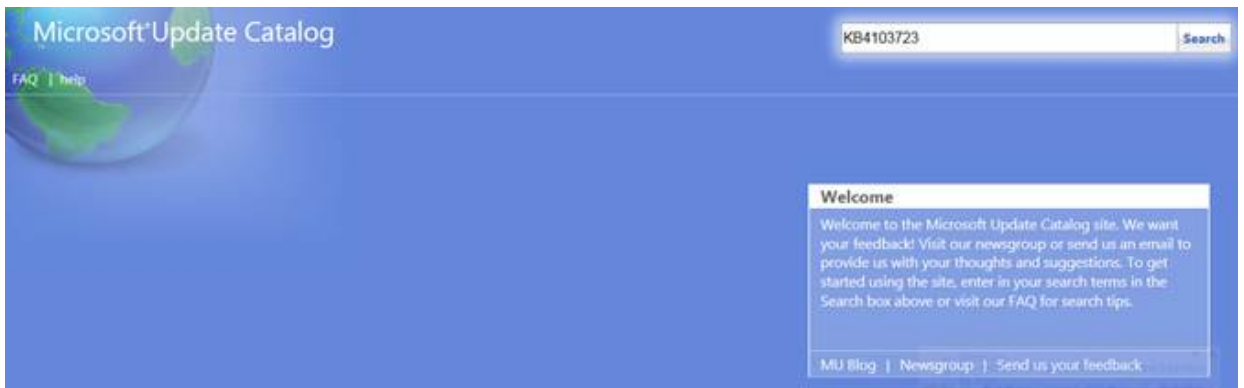
There are 2 ways to enable teaming function, download and install KB4103723 or run Windows update to install all the updates.

➤ We have already verified the teaming function is included in the KB4103723.

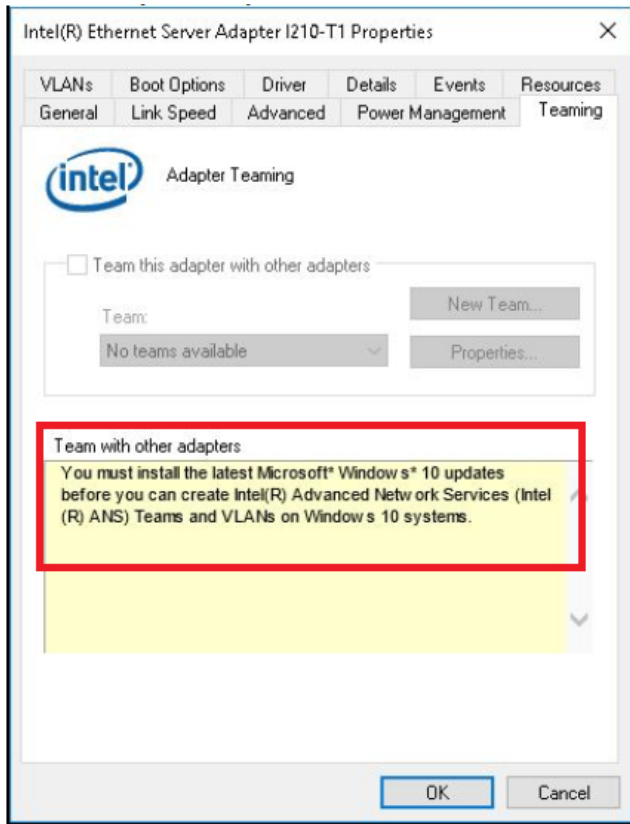
You can download that KB directly from Windows update catalog by searching KB4103723.

After KB4103723 is installed, go to device manager, open Intel utility to enable teaming function

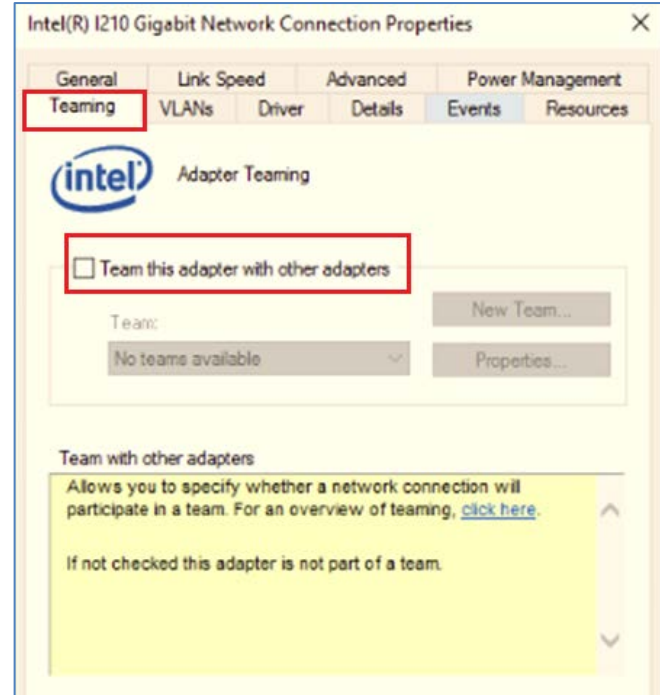
<https://www.catalog.update.microsoft.com/home.aspx>



- Directly run the Windows update.
After Windows update, the teaming option will be able to select



Windows update



For Windows 10 2019 LTSC 1809:

Right click on the Windows icon at the bottom left of the desktop, select "Windows PowerShell(Admin)" to open it.

Enter following command into PowerShell

`New-NetSwitchTeam -Name "SwitchTeam01" -TeamMembers "Ethernet","Ethernet 2"`

A screenshot of a Windows PowerShell window titled "Administrator: Windows PowerShell". The window shows the command `New-NetSwitchTeam -Name "SwitchTeam01" -TeamMembers "Ethernet","Ethernet 2"` being entered and executed. The prompt is `PS C:\Windows\system32>`.

```
Administrator: Windows PowerShell
Windows PowerShell
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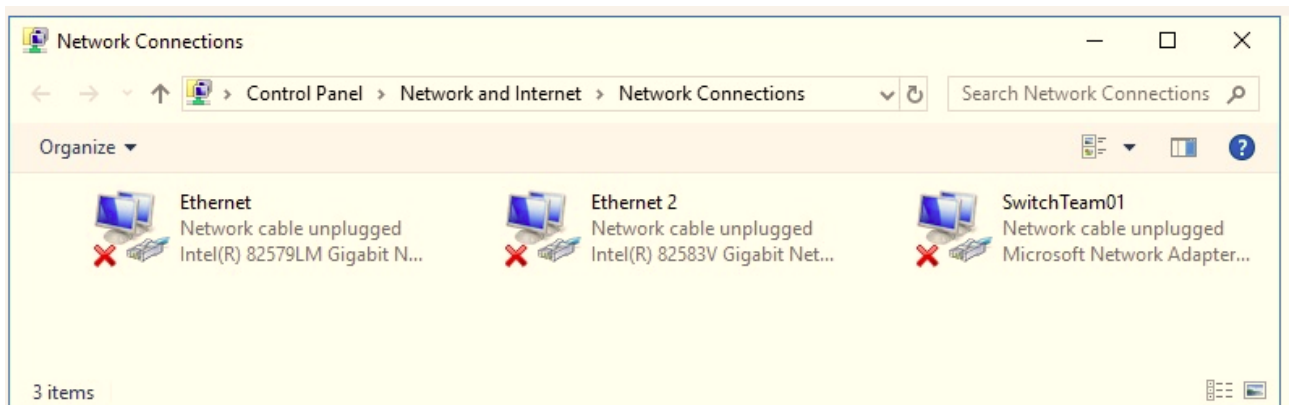
PS C:\Windows\system32> New-NetSwitchTeam -Name "SwitchTeam01" -TeamMembers "Ethernet","Ethernet 2"
PS C:\Windows\system32>
```

"SwitchTeam01" => The name for the Team

"Ethernet","Ethernet 2" => These names must match the name of Ethernet ports in the Windows.

Normally, 1st ethernet port is Ethernet, 2nd ethernet port is Ethernet 2.. and so on.

You can check the Ethernet name from "Network Connections" (Right click on the Windows icon > Internet and Connections > Change adapter options)

**Delete the Teaming group**

Enter following command into PowerShell:

`Remove-NetSwitchTeam -Name "SwitchTeam01"`