

Windows 10 and 2xGbit Ethernet teaming

<https://forum.odroid.com/viewtopic.php?t=37701>

NetSwitchTeam

<https://docs.microsoft.com/en-us/powershell/module/netswitchteam/new-netswitchteam?view=windowsserver2022-ps>

Example: Create a team

PowerShell

```
PS C:\>New-NetSwitchTeam -Name "SwitchTeam01" -TeamMembers "Ethernet 2","Ethernet 3"
```

Remove-NetSwitchTeam

<https://docs.microsoft.com/en-us/powershell/module/netswitchteam/remove-netswitchteam?view=windowsserver2022-ps>

Example: Delete a switch team

PowerShell

```
PS C:\>Remove-NetSwitchTeam -Name "SwitchTeam01"
```

Get-NetSwitchTeam

<https://docs.microsoft.com/en-us/powershell/module/netswitchteam/get-netswitchteam?view=windowsserver2022-ps>

Example 1: Get a switch team

PowerShell

```
Get-NetSwitchTeam -Name *
```

I discovered it is quiet easy to team up the 2x realktek NIC's on the N2 in Windows 10 to give a single 2Gbit connection. I've tested the setup with updated realtek drivers from realtek but it might work on the older microsoft supplied ones. I don't really have much here to test out performance but I will try at a later stage to get some results.

Edit: After testing I found you need a smart switch where you can configure link aggregation to be able to obtain bandwidth of both NIC's. Otherwise they will just act as a failover pair in Windows 10.

Windows 10 Pro 1909

Realtek PCIe GbE Family Controller driver version 10.35.510.2019

Open a powershell window in Admin mode (right click powershell icon and run as admin)

```
PS C:\WINDOWS\system32> New-NetSwitchTeam -Name "My Team" -TeamMembers "Ethernet","Ethernet 2"
```

Now you have a single virtual connection and new IP address which should work up to 2Gbs second. (Edit: If you have link aggregation enabled on your switch)

```
PS C:\WINDOWS\system32> Get-NetAdapter -Name *
```

Name	InterfaceDescription	ifIndex	Status	MacAddress	LinkSpeed
Ethernet	Realtek PCIe GbE Family Controller	15	Up	00-1E-06-45-07-49	1 Gbps
Ethernet 2	Realtek PCIe GbE Family Controller #2	9	Up	00-1E-06-45-07-4A	1 Gbps
My Team	Microsoft Network Adapter Multiplexo...	20	Up	00-1E-06-45-07-4A	2 Gbps