



python



PowerShell

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### **PowerShell Get-Help on command 'Get-NetAdapterHardwareInfo'**

**PS C:\Users\wahid> Get-Help Get-NetAdapterHardwareInfo**

#### NAME

Get-NetAdapterHardwareInfo

#### SYNOPSIS

Gets the hardware information of the network adapter.

#### SYNTAX

```
Get-NetAdapterHardwareInfo [-AsJob] [-CimSession <CimSession[]>]
[-IncludeHidden] -InterfaceDescription <String[]> [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

```
Get-NetAdapterHardwareInfo [[-Name] <String[]>] [-AsJob] [-CimSession
<CimSession[]>] [-IncludeHidden] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

#### DESCRIPTION

The Get-NetAdapterHardwareInfo cmdlet gets the hardware information of the network adapter. This includes PCI capabilities, MSI capabilities, and PCI device custom properties. These are read-only properties.

## PARAMETERS

### -AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete. The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the `\*-Job` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkID=113372>)cmdlet. For more information about Windows PowerShell background jobs, see about\_Jobs (<https://go.microsoft.com/fwlink/?LinkID=113251>).

### -CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession (<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or [Get-CimSession](<https://go.microsoft.com/fwlink/p/?LinkId=227966>)cmdlet. The default is the current session on the local computer.

### -IncludeHidden [<SwitchParameter>]

Indicates that the cmdlet includes both visible and hidden network adapters in the operation. By default only visible network adapters are included. If a wildcard character is used in identifying a network adapter and this parameter has been specified, then the wildcard string is matched against both hidden and visible network adapters.

### -InterfaceDescription <String[]>

Specifies an array of network adapter interface descriptions. For a physical network adapter this is typically the name of the vendor of the network adapter followed by a part number and description, such as `Contoso 12345 Gigabit Network Device`.

### -Name <String[]>

Specifies an array network adapter names.

#### `-ThrottleLimit <Int32>`

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit applies only to the current cmdlet, not to the session or to the computer.

#### `<CommonParameters>`

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see `about_CommonParameters` (<https://go.microsoft.com/fwlink/?LinkID=113216>).

Example 1: Display the default view of hardware properties for all visible network adapters

```
PS C:\> Get-NetAdapterHardwareInfo -Name "*"
```

This command displays the default view of hardware properties for all visible network adapters.

Example 2: Display the default view of hardware properties the specified network adapter

```
PS C:\> Get-NetAdapterHardwareInfo -Name "*" | Format-List -Property "*"
```

This command displays all of the hardware information properties for the network adapter named MyAdapter.

#### REMARKS

To see the examples, type: "get-help Get-NetAdapterHardwareInfo -examples".

For more information, type: "get-help Get-NetAdapterHardwareInfo -detailed".

For technical information, type: "get-help Get-NetAdapterHardwareInfo -full".

For online help, type: "get-help Get-NetAdapterHardwareInfo -online"