

How to Find the Switches IP address

Multiple ways to Find the IP address of the switch.

M4300 & M4250 How to access the web interface of my switch

This guide will go over how to find the IP address of the M4300 & M4250 and how to access the web interface of the switch.

There are multiple ways to find the IP address:

- VLAN 1 of the switch is configured by default to receive DHCP.
 - Check the DHCP server to find the new lease from the switch.
- VLAN 1 default IP address.
 - VLAN 1 is configured by default to receive DHCP, but after 120 seconds it will default to an IP address of “169.254.100.100.”
 - For this method, you will need to make sure that there is no DHCP server connected to the switch.
 - You will need to configure your computer with an IP address that is in the “169.254.X.X” subnet.
- Console port will allow you to access the CLI of the switch and allow you to view the IP address that VLAN 1 received.
 - This will require you to install the USB console drivers on your computer.
- Using the “OOB” port on the device to access the interface using the default address for the management port.
 - This will require you to configure a static address on your computer to access the interface.
 - The default address for the OOB port is 192.168.0.239 with a subnet mask of 255.255.255.0.
 - NOTE: the OOB port will request an address via DHCP, if it does not receive an address within 120 seconds it will default to the 192.168.0.239/24.

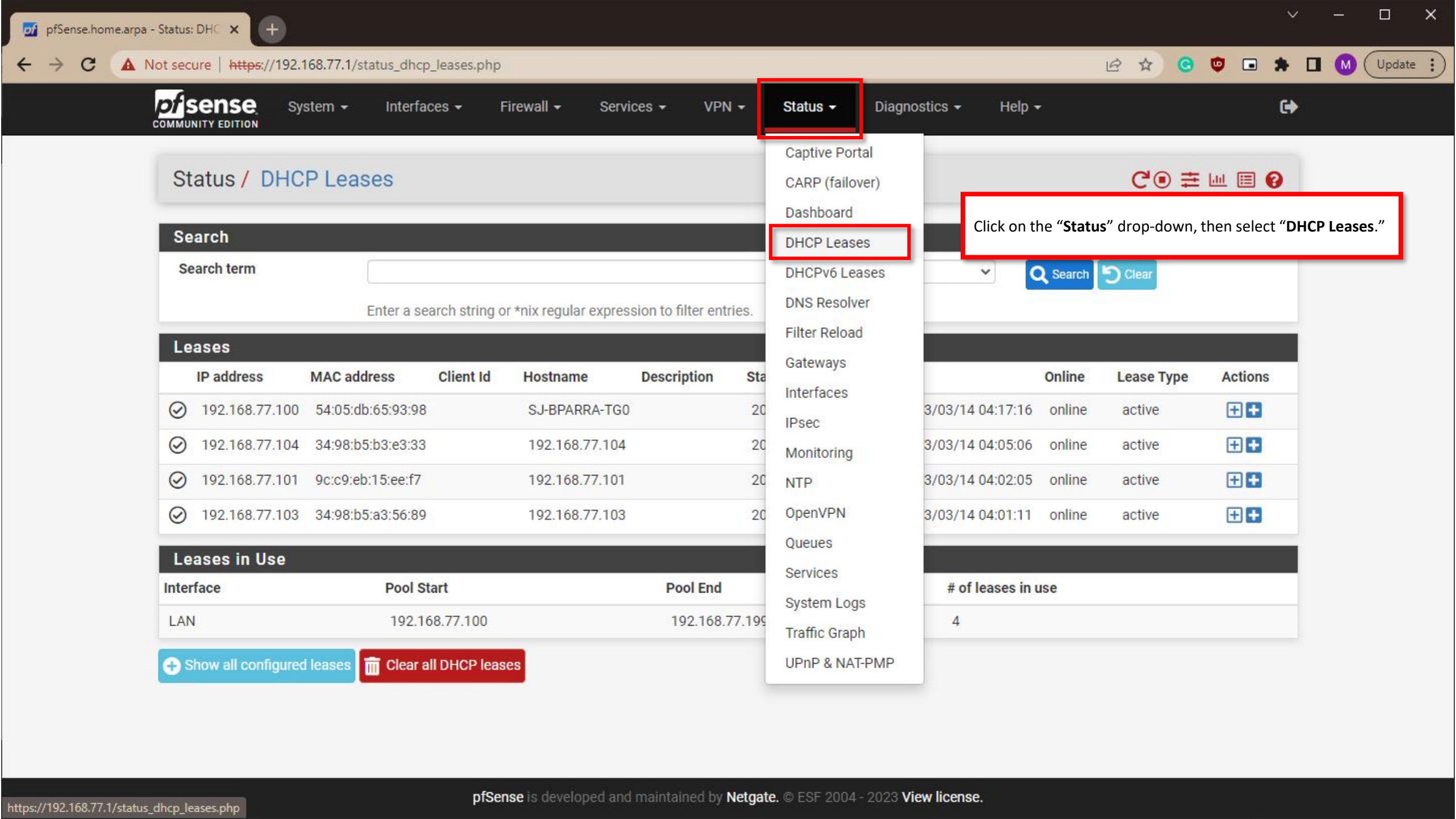
We are going to go through each of these methods.

Checking the DHCP Server for the address.



For this example, our DHCP is a pfSense firewall.





Status / DHCP Leases

Search

Search term

Enter a search string or *nix regular expression to filter entries.

Leases

	IP address	MAC address	Client Id	Hostname	Description	Status
✓	192.168.77.100	54:05:db:65:93:98		SJ-BPARRA-TG0		20
✓	192.168.77.104	34:98:b5:b3:e3:33		192.168.77.104		20
✓	192.168.77.101	9c:c9:eb:15:ee:f7		192.168.77.101		20
✓	192.168.77.103	34:98:b5:a3:56:89		192.168.77.103		20

Leases in Use

Interface	Pool Start	Pool End
LAN	192.168.77.100	192.168.77.199

+ Show all configured leases

Clear all DHCP leases

Click on the "Status" drop-down, then select "DHCP Leases."

NETGEAR M4250-10G2F-PoE+ 10x1G PoE+ 125W and 2xSFP Managed Switch

Model/型號/型号: GSM4212P 網管交換機/网管交换机

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAN ICES-3 (A)/NMB-3 (A)

警告使用者：此為甲類資訊技術設備，於居住環境中使用，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

この装置は、クラスA機器です。この装置を住宅環境で使用する電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。VCCI-A

声明 此為 A 類產品，在生活環境中，該產品可能會造成無線電干擾。在這種情況下，可能需要用戶對其干擾採取切實可行的措施。僅適用於海拔2000m以下地區安全使用



NETGEAR INC.
NETGEAR INTERNATIONAL LTD.
Floor 1, Building 3, University Technology Centre
Curraheen Road, Cork, T12EF21, Ireland

Input / 輸入 / 輸入:
100-240V-50/60Hz
3.5-2.25A

Made in Vietnam
272-11462-01

SERIAL 序列号

6BA10852A0036

MAC ADDRESS

9CC9EB15EEF4

The MAC address on the sticker on the back of the switch will show you the "Base MAC Address." This address will differ slightly from the VLAN interface MAC address. All routable VLANs on the switch will have the same address.

Here we can see the IP address for our switch is "192.168.77.101."

Leases

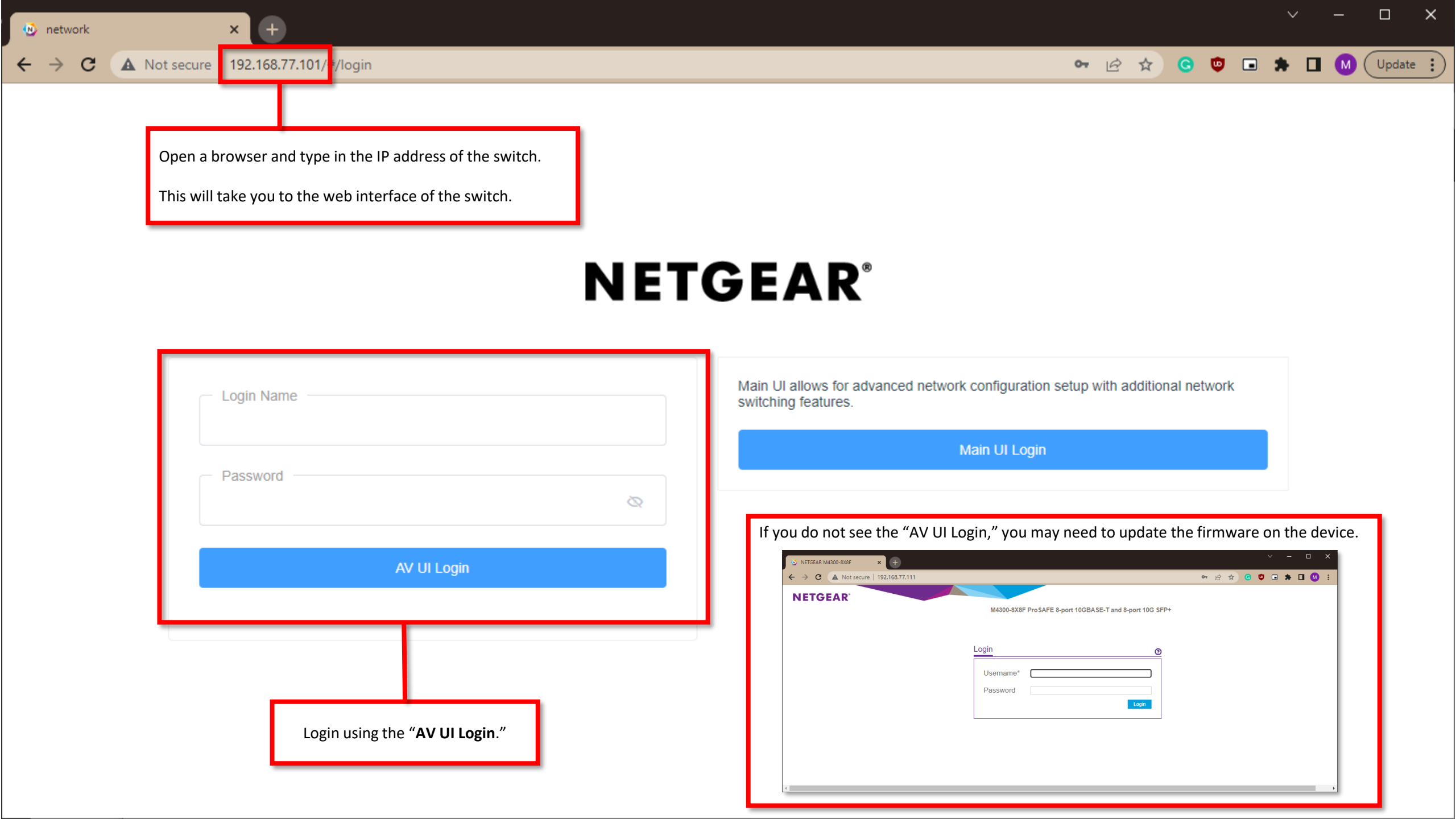
	IP address	MAC address	Client Id	Hostname	Description	Start	End	Online	Lease Type	Actions
✓	192.168.77.100	54:05:db:65:93:98		SJ-BPARRA-TG0		2023/03/14 02:17:16	2023/03/14 04:17:16	online	active	⊕ ⊕
✓	192.168.77.104	34:98:b5:b3:e3:33		192.168.77.104		2023/03/14 02:05:06	2023/03/14 04:05:06	online	active	⊕ ⊕
✓	192.168.77.101	9c:c9:eb:15:ee:f7		192.168.77.101		2023/03/14 02:02:05	2023/03/14 04:02:05	online	active	⊕ ⊕
✓	192.168.77.103	34:98:b5:a3:56:89		192.168.77.103		2023/03/14 02:01:11	2023/03/14 04:01:11	online	active	⊕ ⊕

Leases in Use

Interface	Pool Start	Pool End	# of leases in use
LAN	192.168.77.100	192.168.77.199	4

⊕ Show all configured leases

🗑 Clear all DHCP leases



Open a browser and type in the IP address of the switch.
This will take you to the web interface of the switch.

NETGEAR®

Login Name

Password

AV UI Login

Main UI allows for advanced network configuration setup with additional network switching features.

Main UI Login

If you do not see the "AV UI Login," you may need to update the firmware on the device.

NETGEAR M4300-8X8F

NETGEAR M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+

Login

Username*

Password

Login

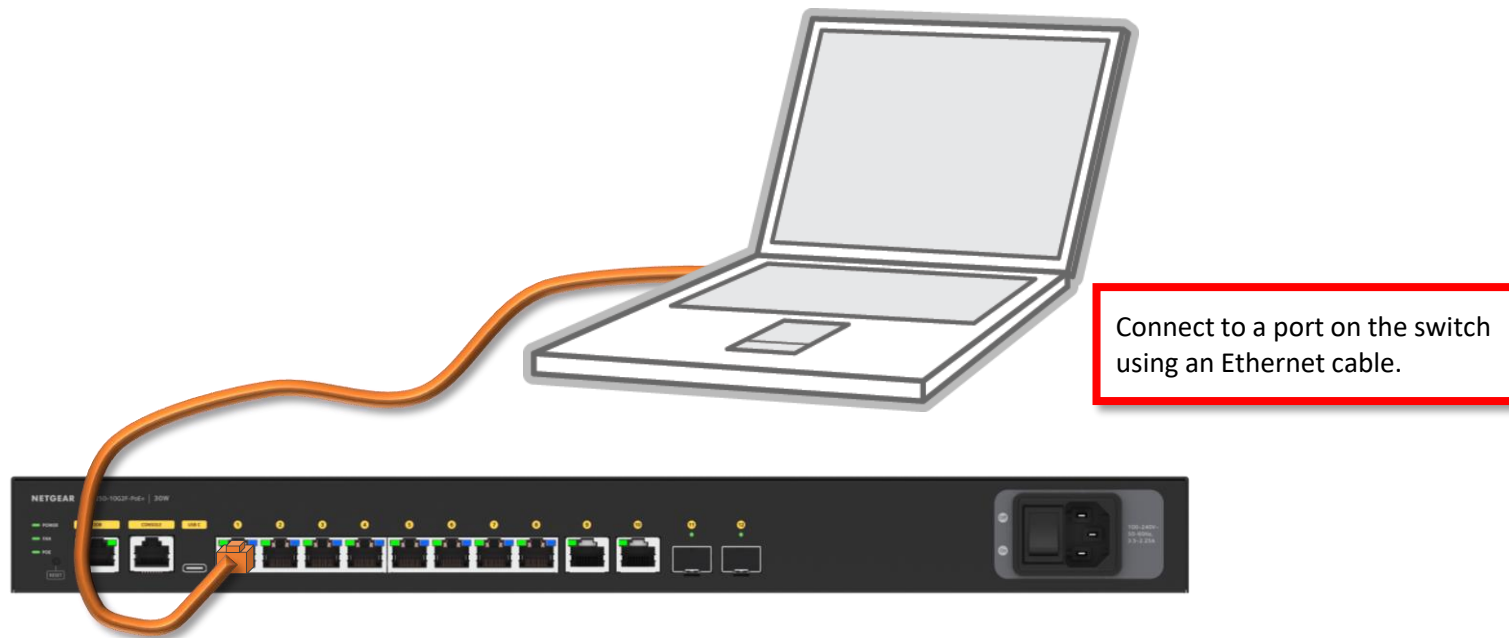
Login using the "AV UI Login."

Accessing the switch interface using VLAN 1's default IP address

The default management VLAN (VLAN 1) will request a DHCP address, after 120 seconds, it will default to an address of "169.254.100.100" with a subnet mask of "255.255.0.0."

To access the switch, you will need to configure a static IP address on your computer that is on the "169.254.X.X" subnet.

If the switch has been rebooted recently, you will have to wait for VLAN 1 to go into the default address.





We will first need to configure a static address on the computer to be able to reach the switch.


Click on the search icon and search for “**network connections**.”

The screenshot shows a Windows 10 desktop with a dark theme. A search bar is open, displaying the results for the query "network connections". The search bar is located at the bottom of the screen, and the results are shown in a list on the left side of the search window. The top result is "View network connections" with a subtext "Control panel". Below this, there is a section titled "Search work and web" which lists several related search results, including "network connections - See work and web results", "network connections settings", "network connections control panel", "network connections windows 10", "network connections windows 11", "network connections setup", "network connections/printer", and "network connections w10". The search bar itself is highlighted with a red box, and the search results are also highlighted with a red box. The background of the desktop shows a blurred image of a computer monitor and a piece of electronic equipment, possibly a switch or router, with a digital display and several buttons.









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All Work Apps Documents Web More ▾

Best match

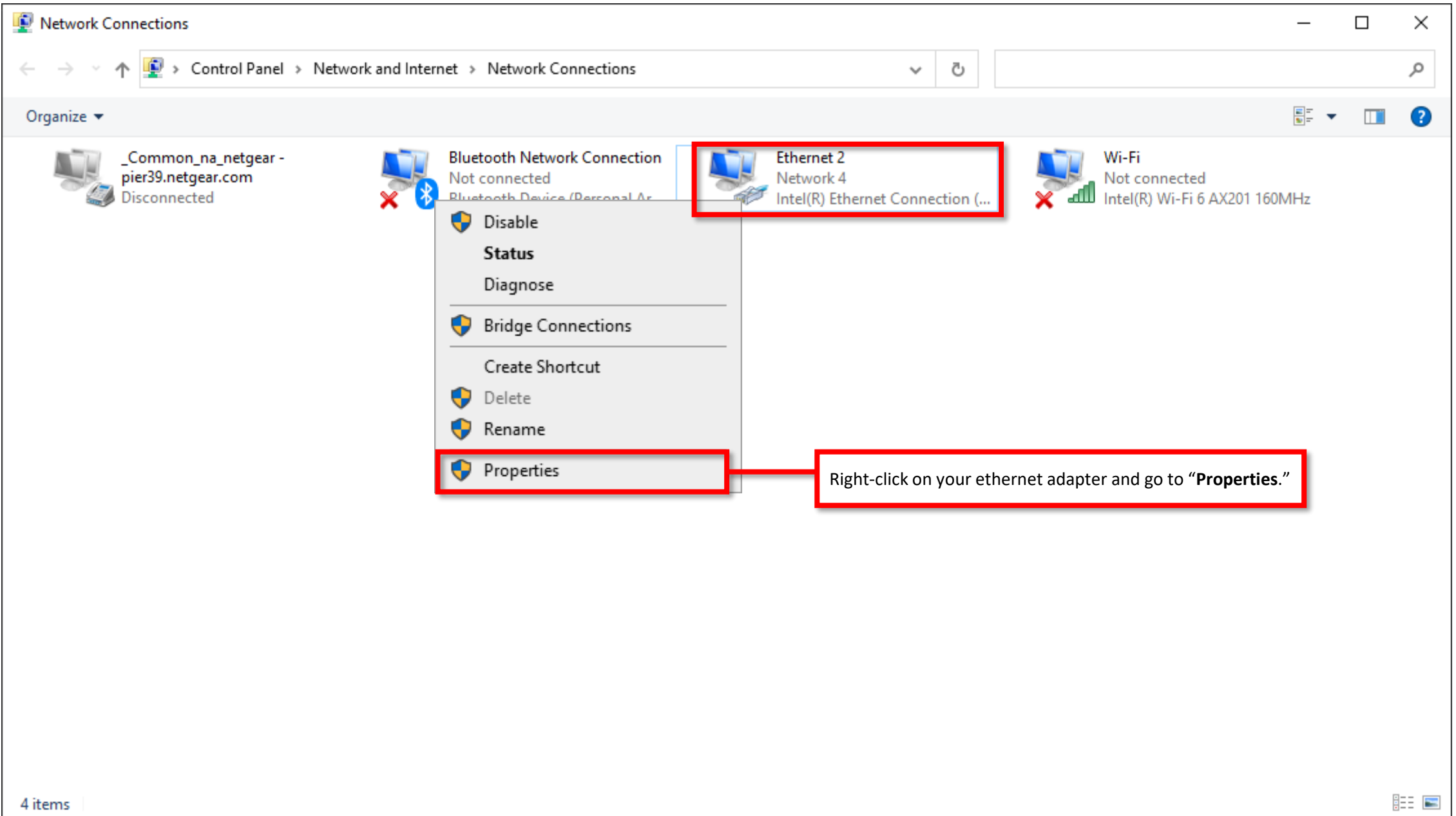
 **View network connections**
Control panel

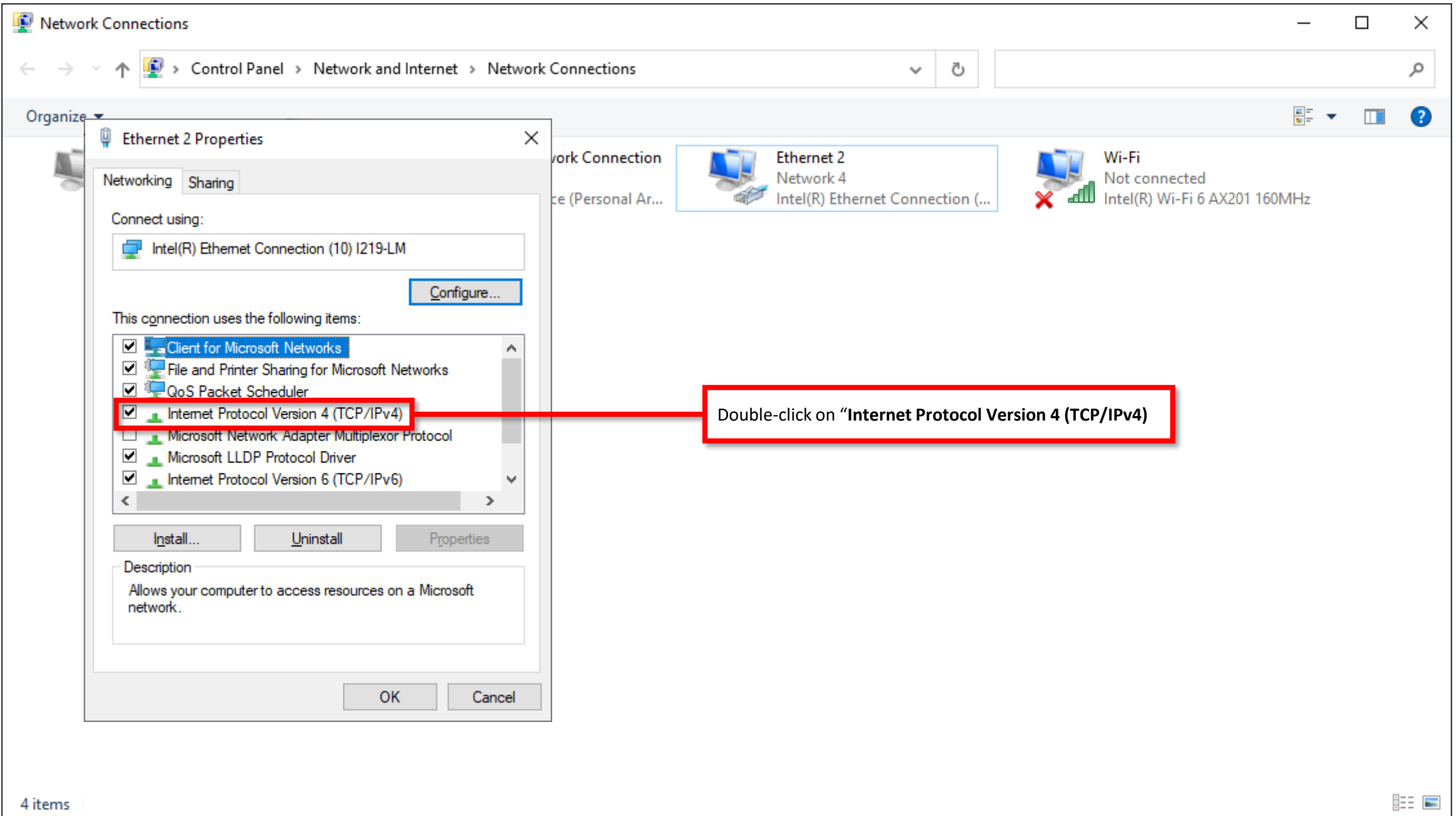
Search work and web

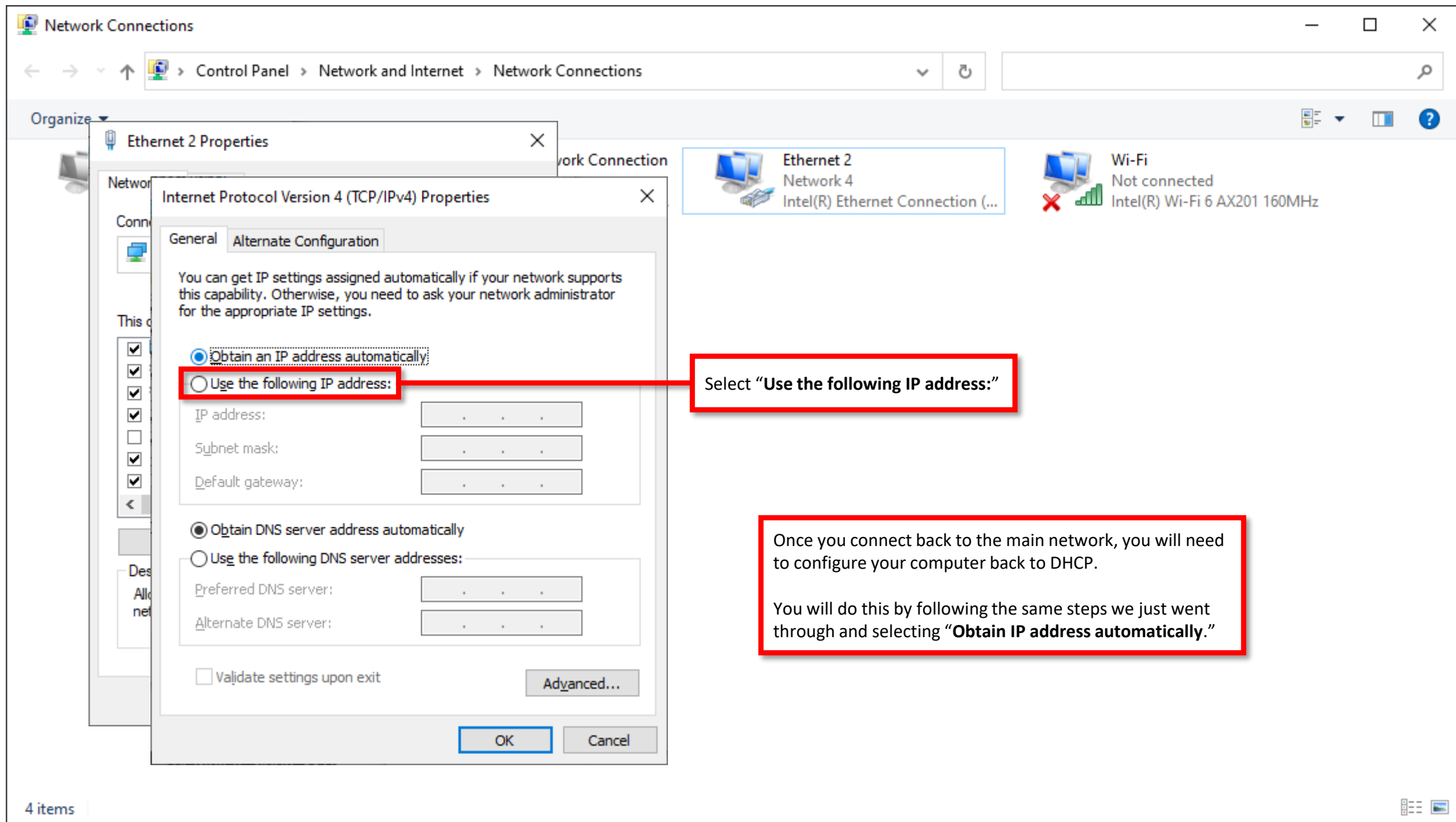
-  network connections - See work and web results >
-  network connections **settings** >
-  network connections **control panel** >
-  network connections **windows 10** >
-  network connections **windows 11** >
-  network connections **setup** >
-  network connections/**printer** >
-  network connections **w10** >

 **network connections**

11:03 AM
3/14/2023



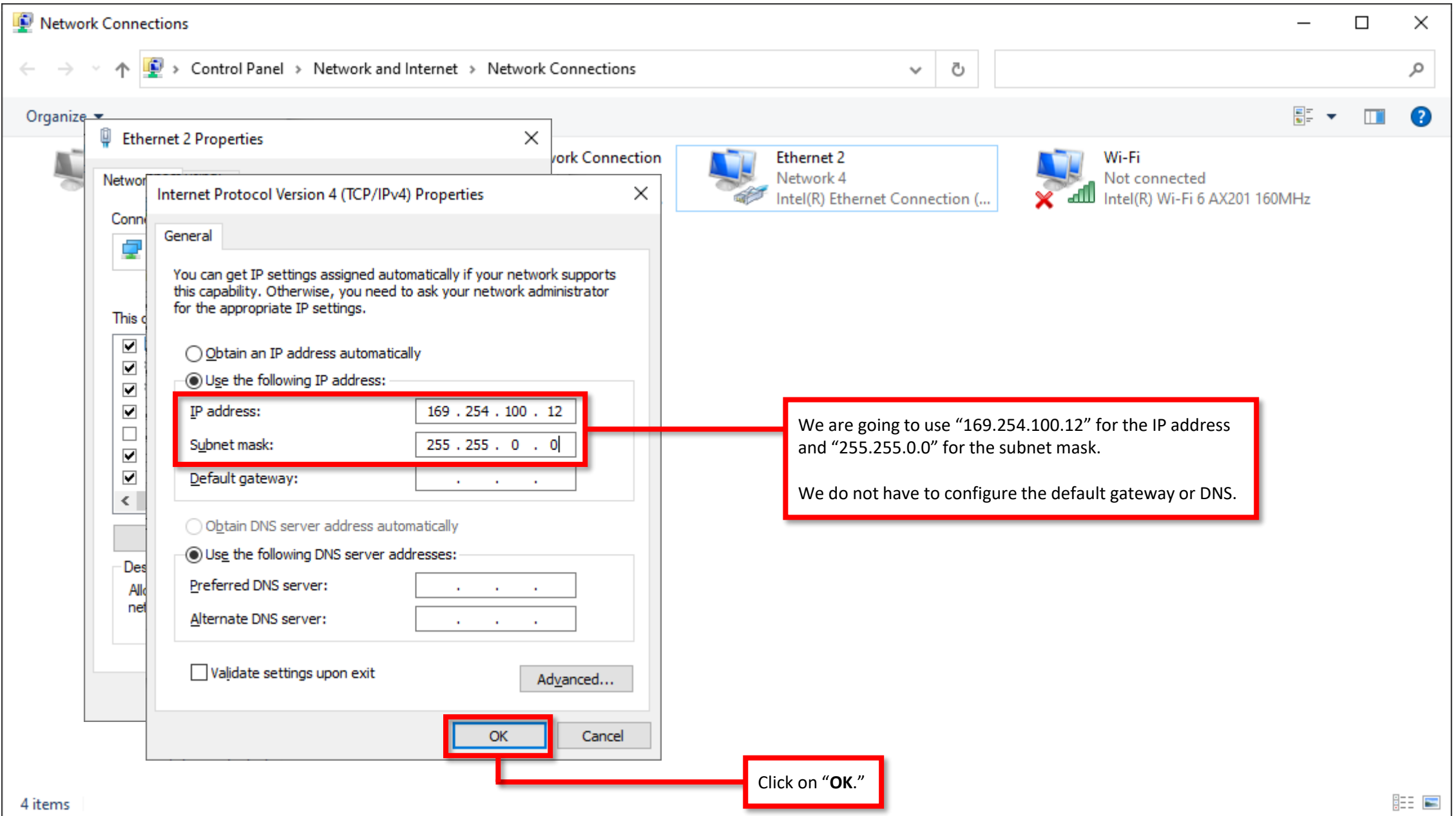


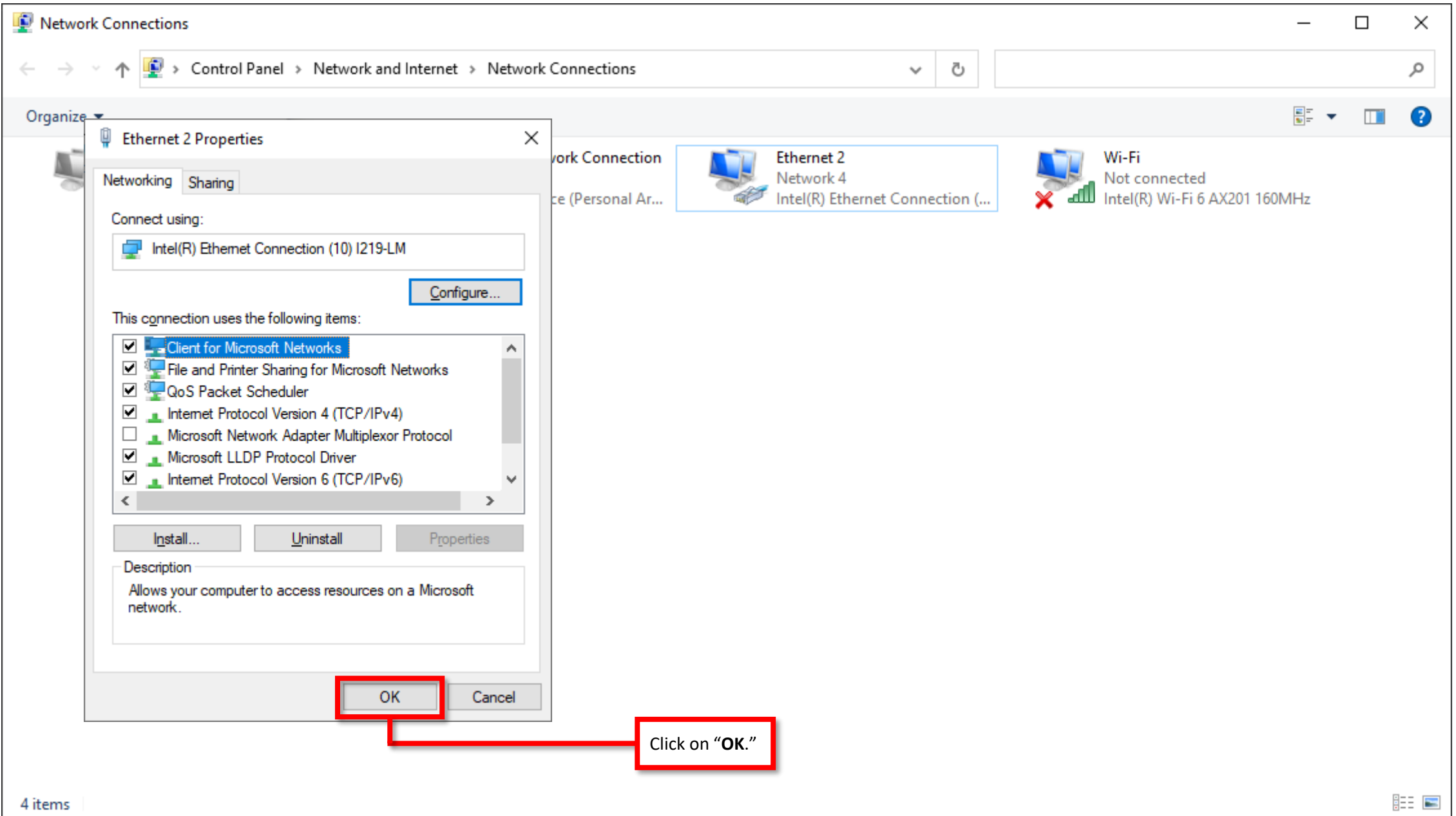


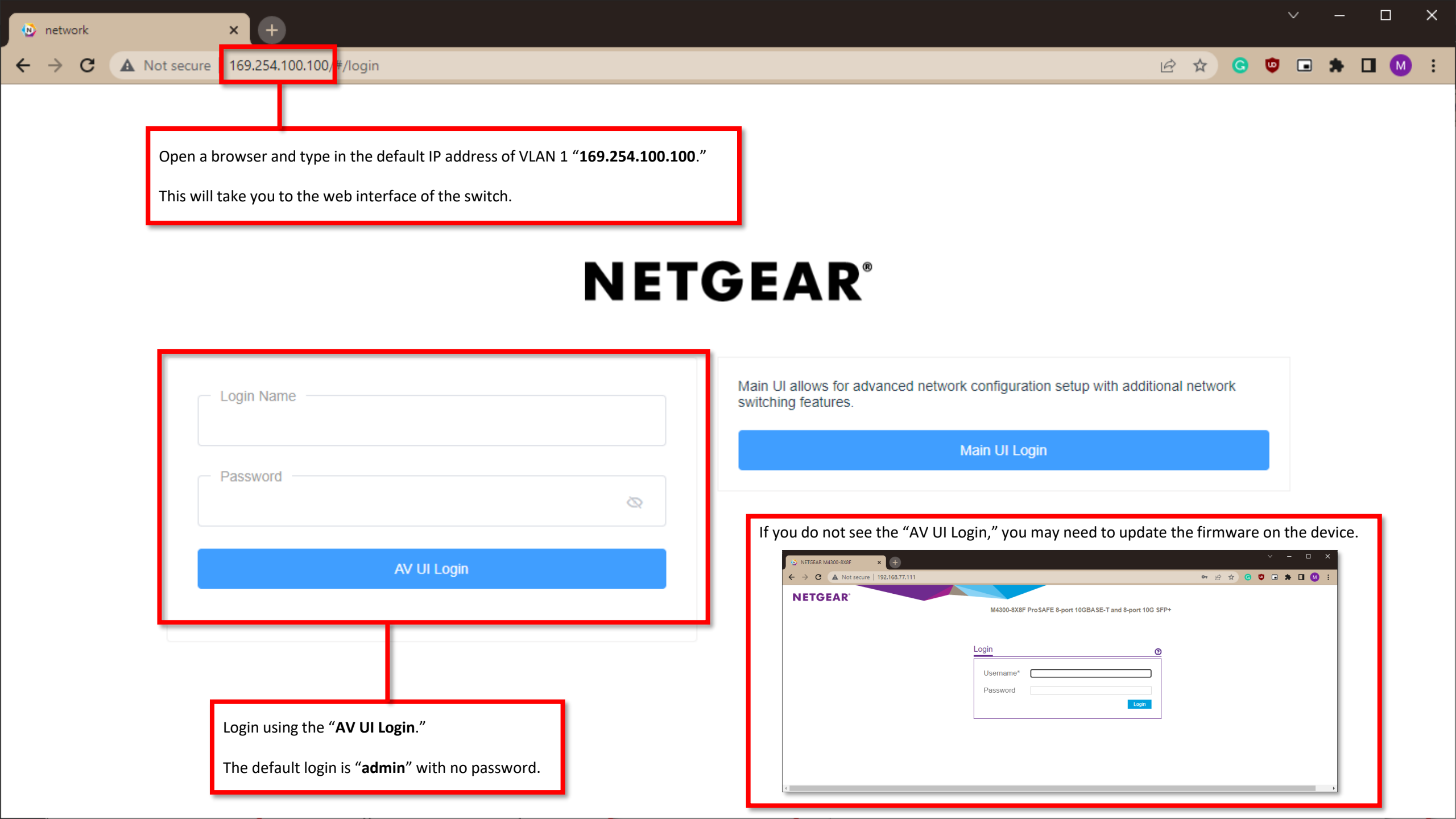
Select "Use the following IP address:"

Once you connect back to the main network, you will need to configure your computer back to DHCP.

You will do this by following the same steps we just went through and selecting "Obtain IP address automatically."







Open a browser and type in the default IP address of VLAN 1 “169.254.100.100.”

This will take you to the web interface of the switch.

NETGEAR®

Login Name

Password

AV UI Login

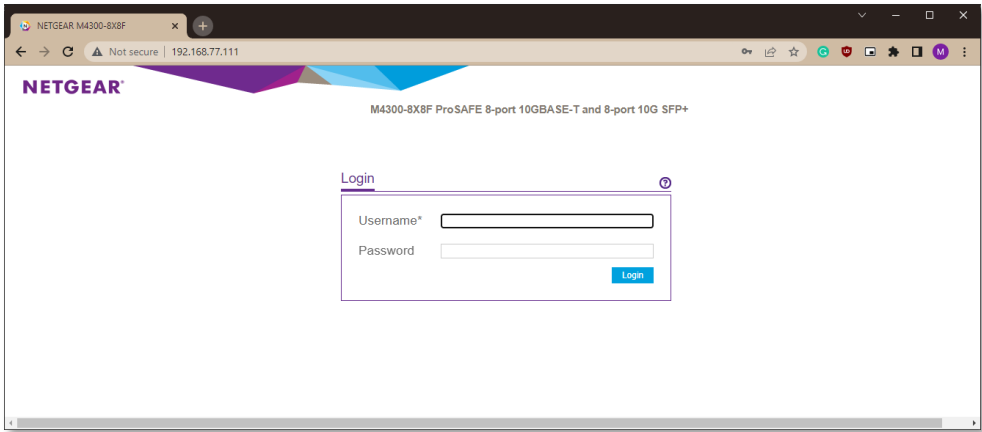
Main UI allows for advanced network configuration setup with additional network switching features.

Main UI Login

Login using the “AV UI Login.”

The default login is “admin” with no password.

If you do not see the “AV UI Login,” you may need to update the firmware on the device.

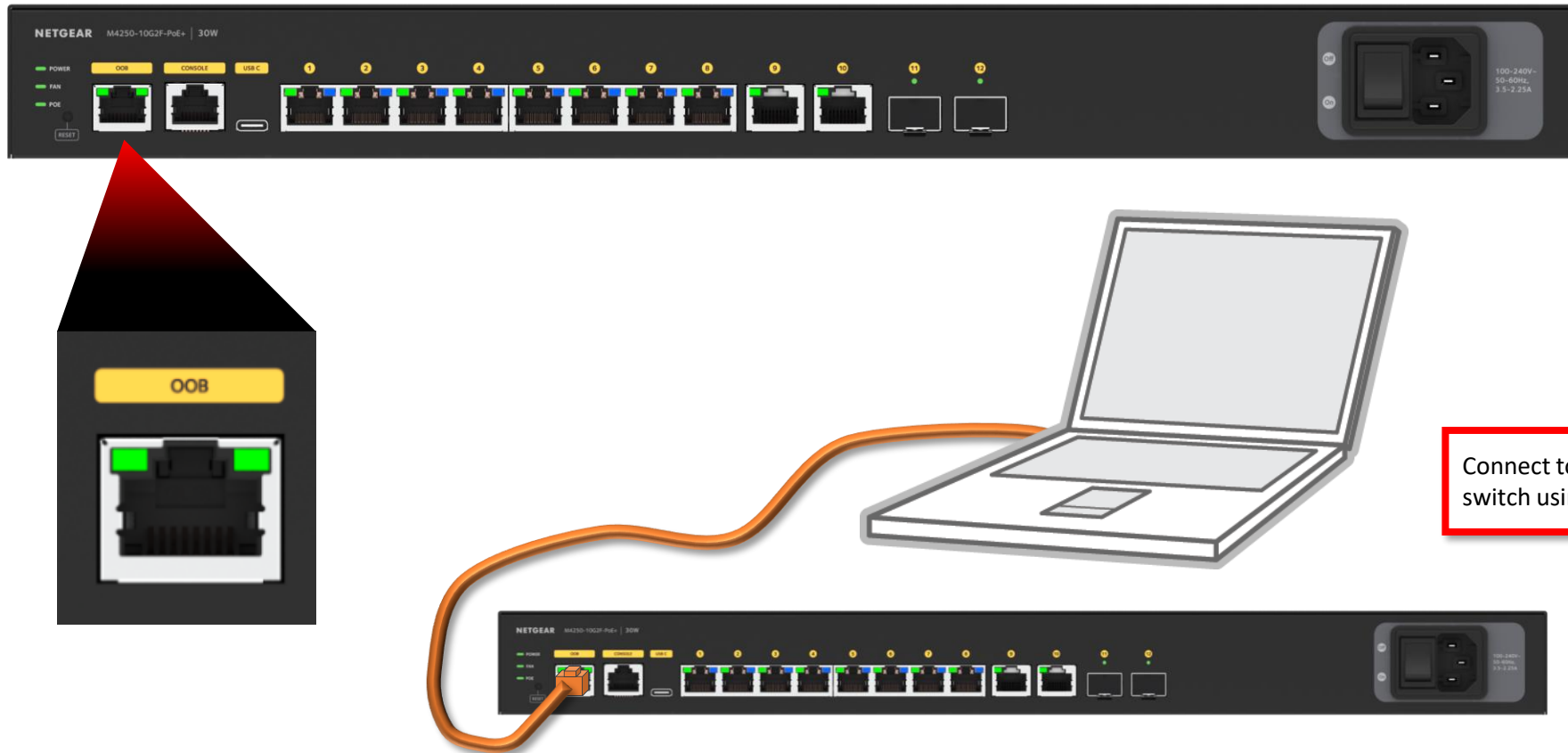


Accessing the switch interface using the OOB port

The “Out of Band” port is an isolated port on the switch that allows you to access the switch by connecting an ethernet cable directly to this port.
This port can receive an address via DHCP, after 120 seconds it will revert to the default address.

This port will not provide you with a DHCP address, you will have to configure a static address on your computer with a subnet of “192.168.0.0/24.”

The port will have a default address of “192.168.0.239/24.”
The “/24” means that the subnet mask will be “255.255.255.0.”





We will first need to configure a static address on the computer to be able to reach the switch.


Click on the search icon and search for “**network connections**.”

The screenshot shows a Windows 10 desktop with a dark theme. A search bar is open, displaying the results for the query "network connections". The search bar is located at the bottom of the screen, and the results are shown in a list on the left side of the search window. The top result is "View network connections" with a subtext "Control panel". Below this, there is a section titled "Search work and web" which lists several related search results, including "network connections - See work and web results", "network connections settings", "network connections control panel", "network connections windows 10", "network connections windows 11", "network connections setup", "network connections/printer", and "network connections w10". The search bar at the bottom contains the text "network connections". In the background, a NETGEAR switch is visible, and a red box highlights the search bar and the top result.









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All Work Apps Documents Web More ▾

Best match

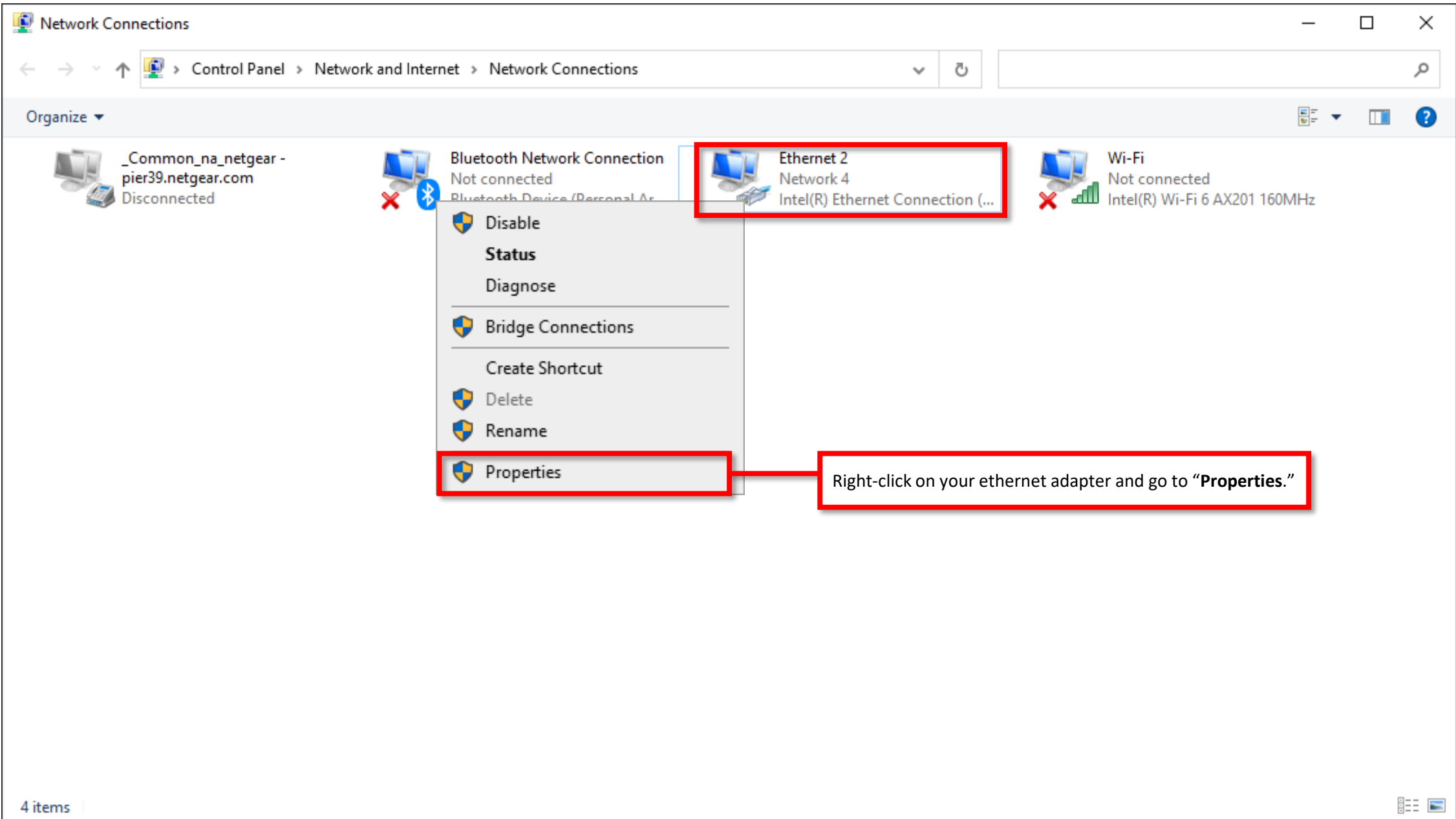
 View network connections
Control panel

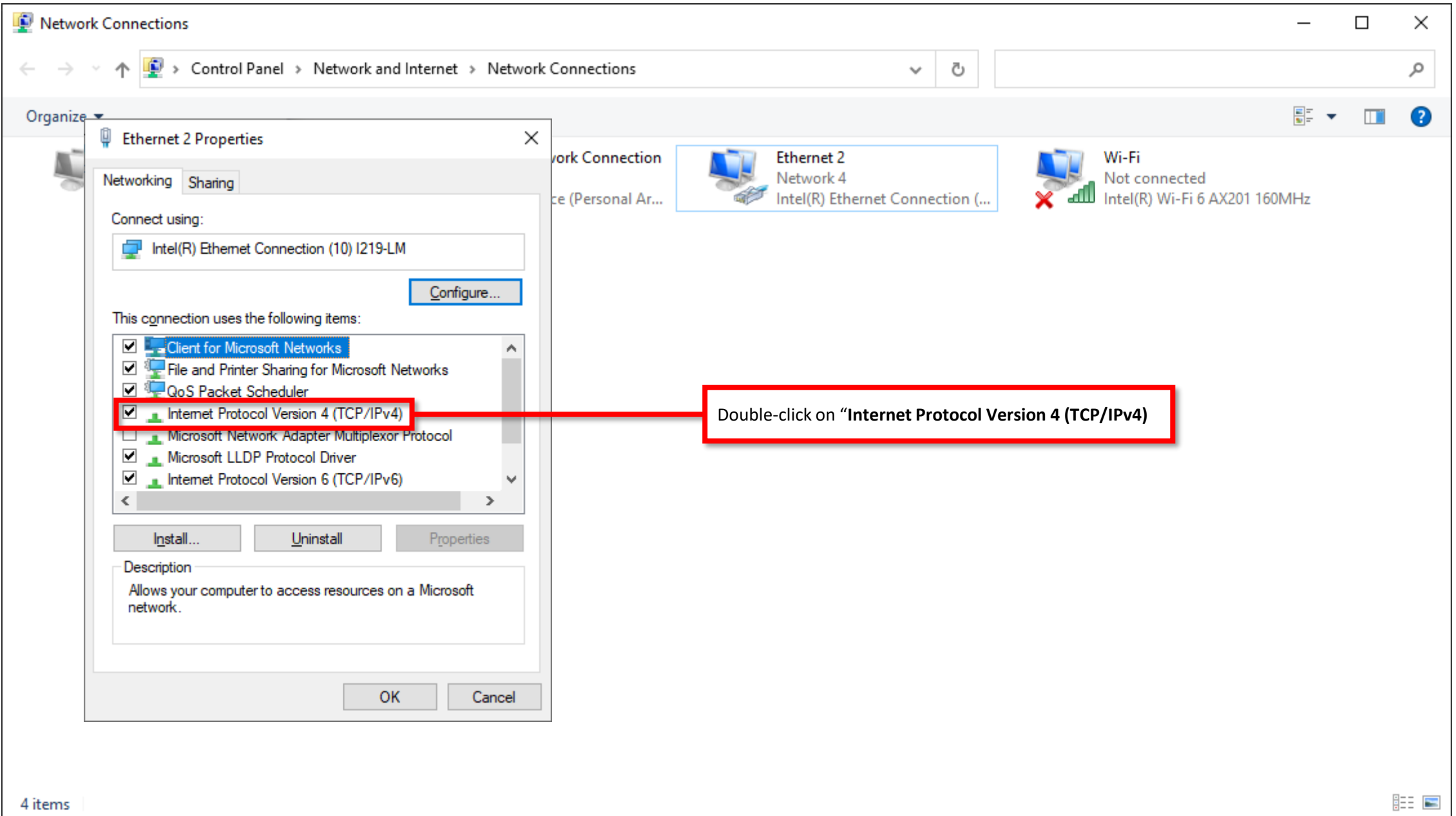
Search work and web

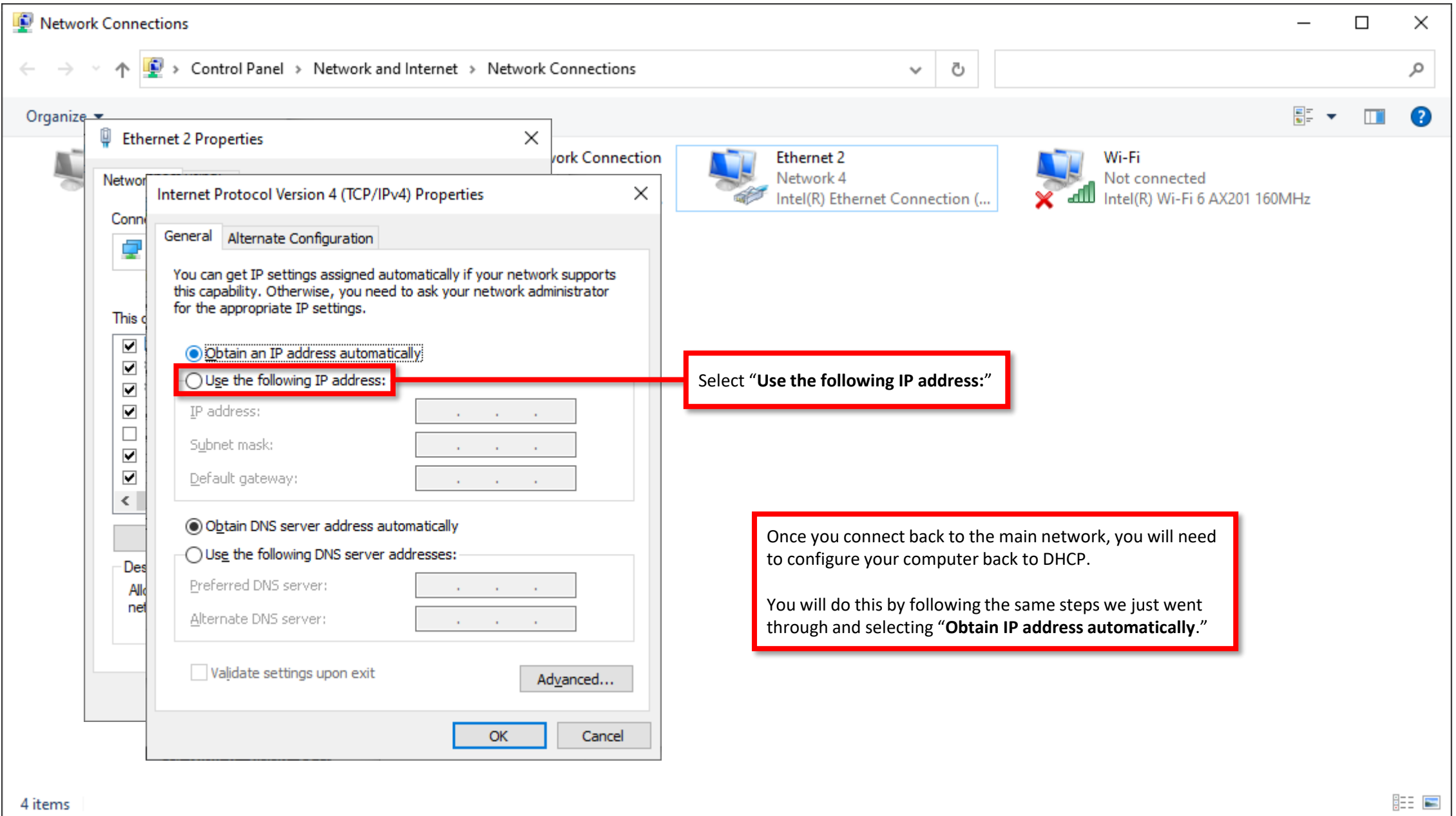
-  network connections - See work and web results >
-  network connections settings >
-  network connections control panel >
-  network connections windows 10 >
-  network connections windows 11 >
-  network connections setup >
-  network connections/printer >
-  network connections w10 >

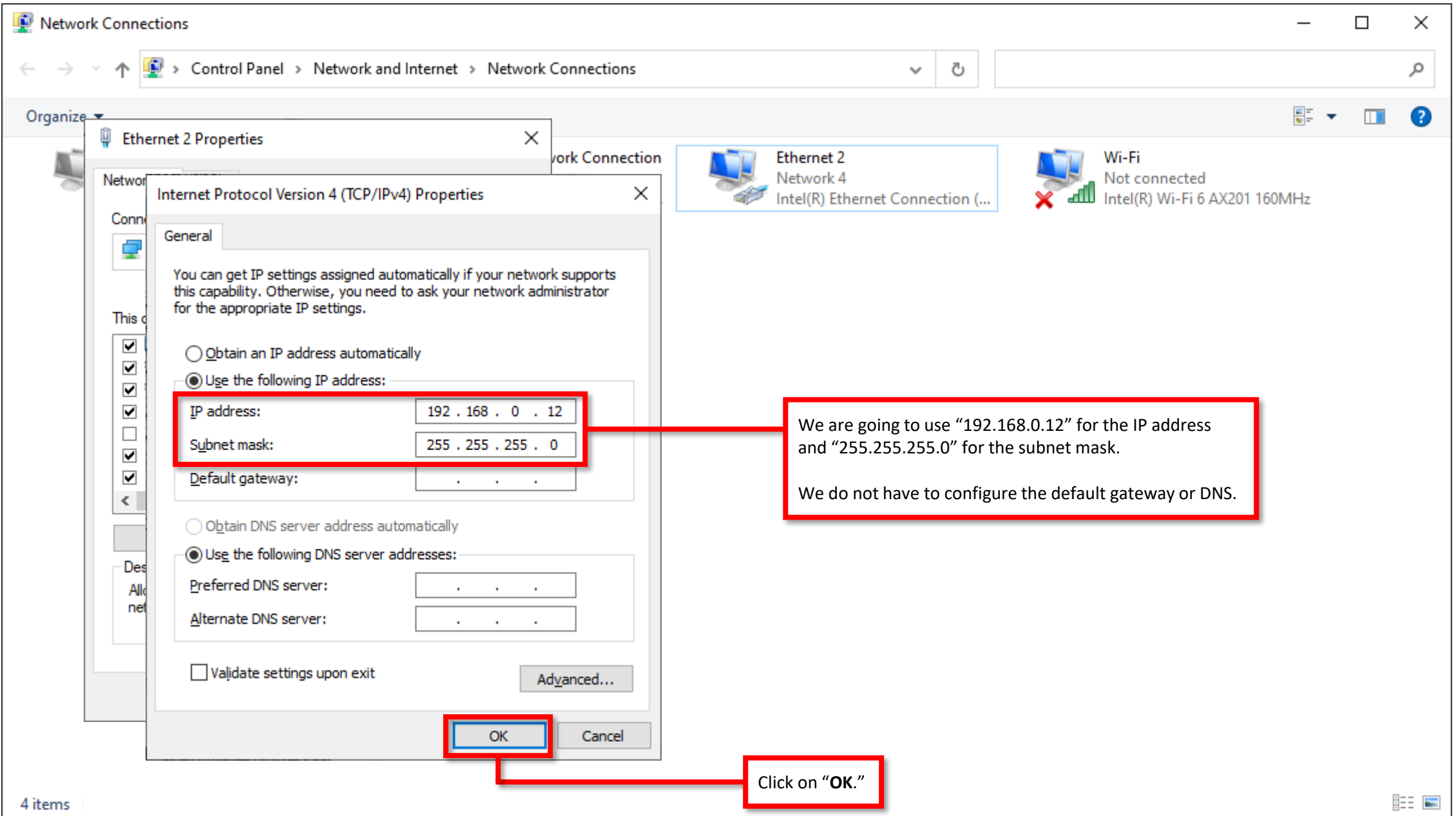
 network connections

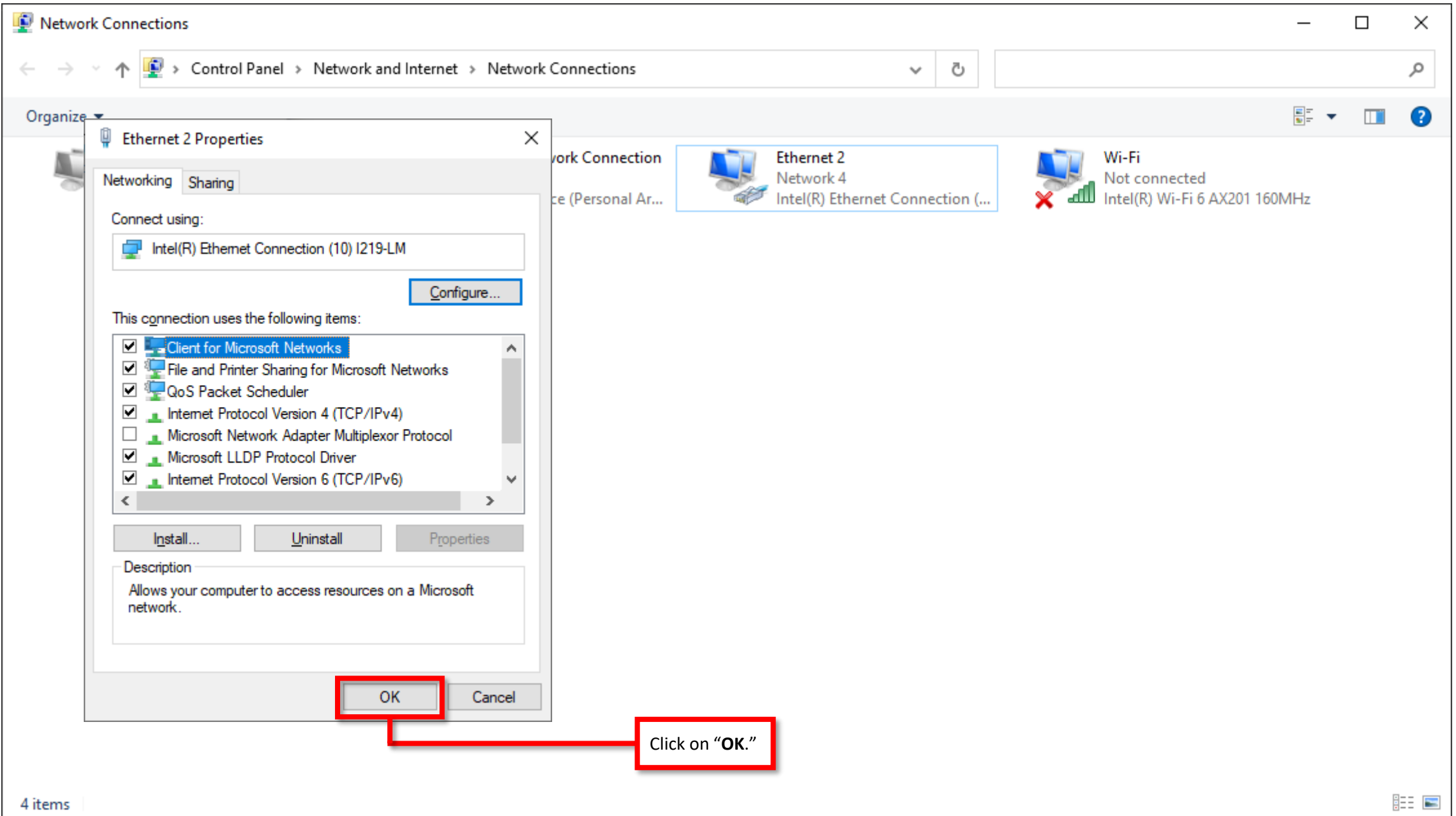
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3/14/2023

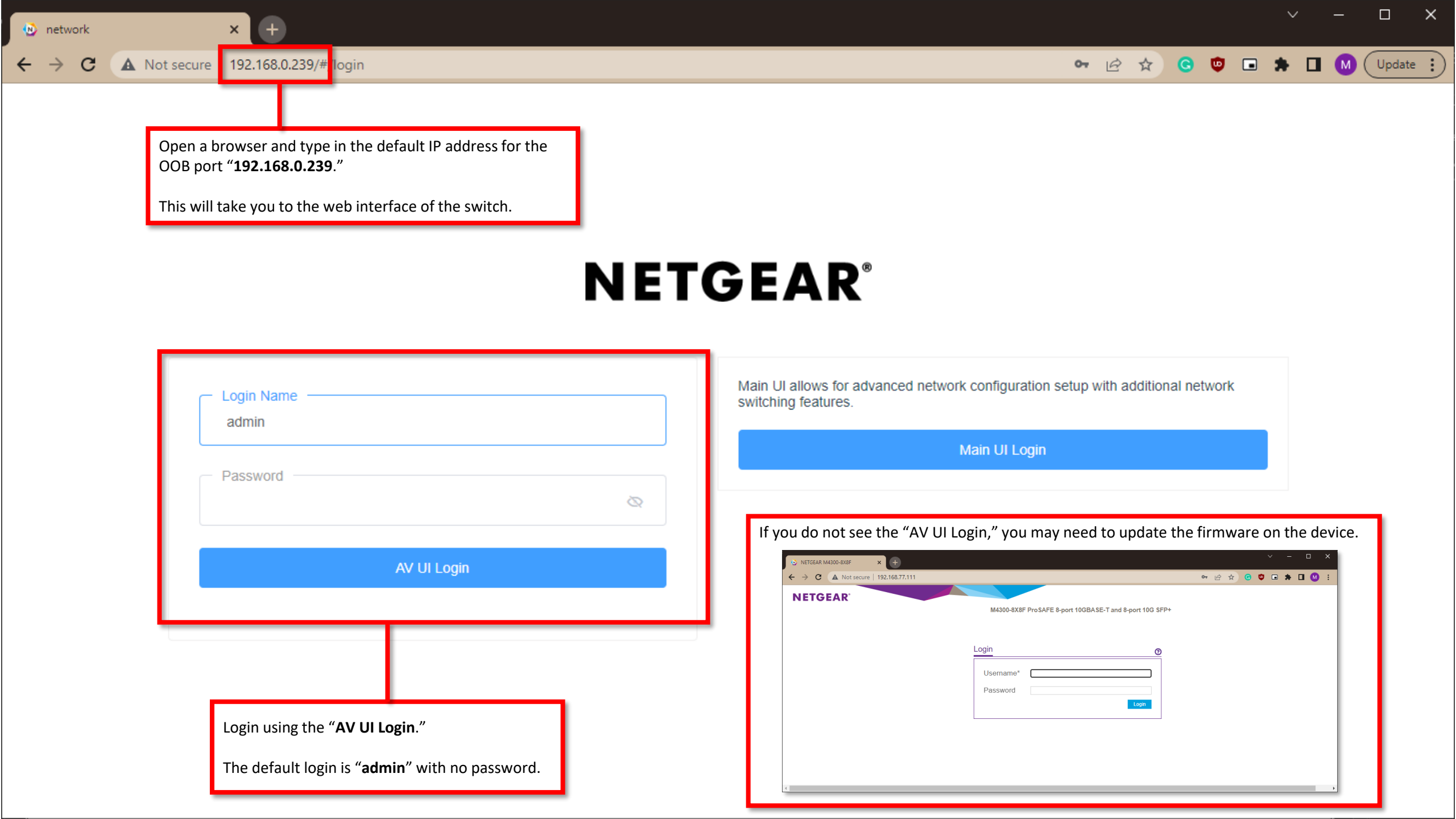












Open a browser and type in the default IP address for the OOB port “192.168.0.239.”

This will take you to the web interface of the switch.

NETGEAR®

Login Name

Password

AV UI Login

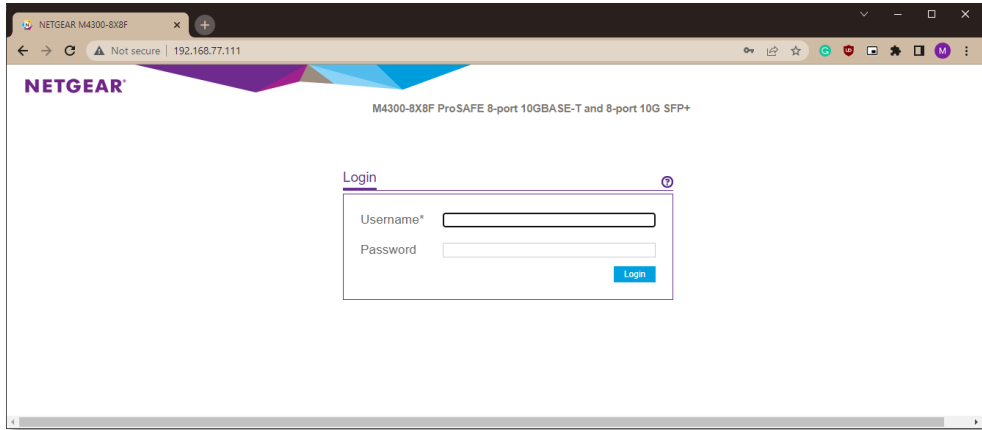
Main UI allows for advanced network configuration setup with additional network switching features.

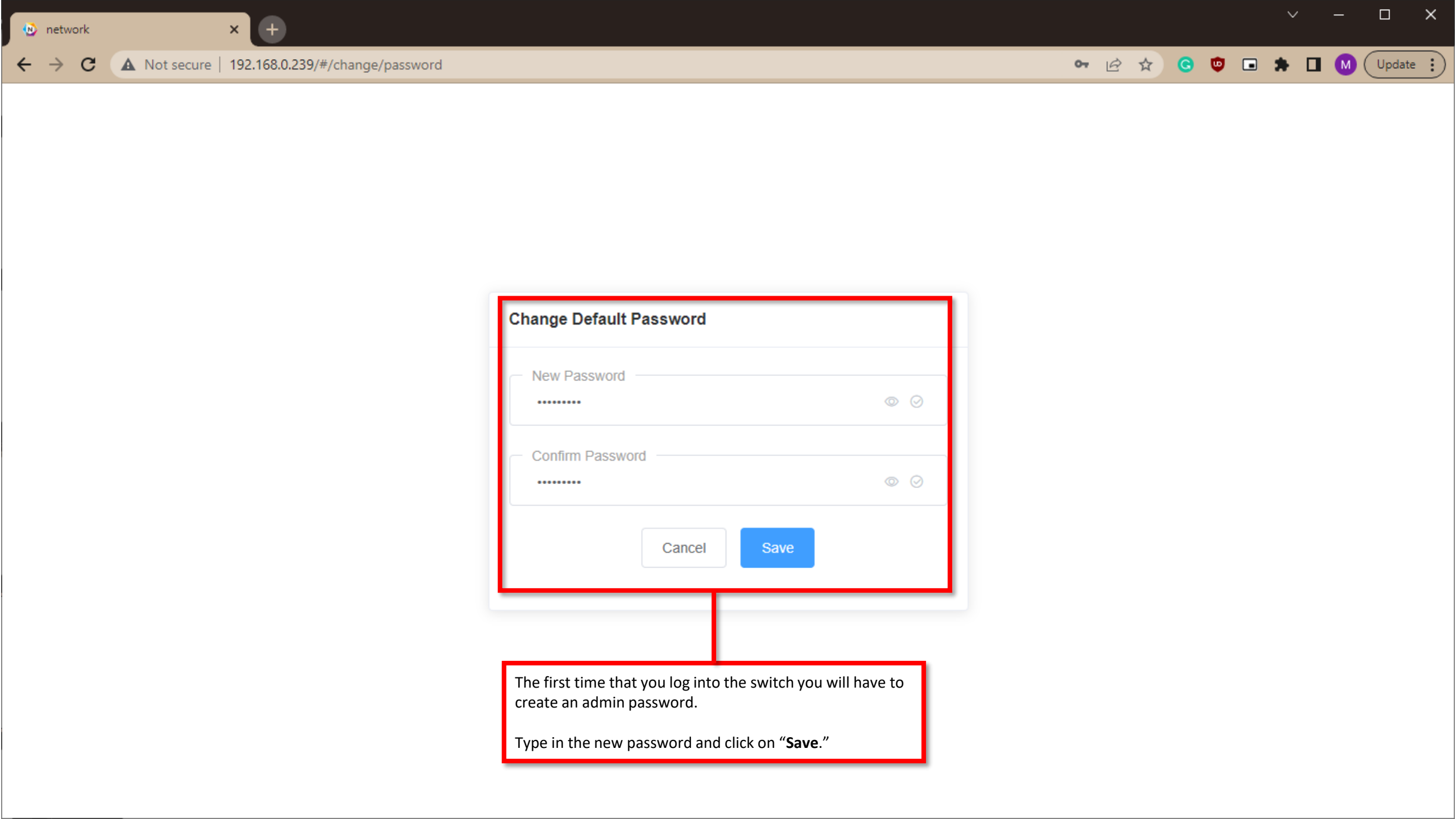
Main UI Login

Login using the “AV UI Login.”

The default login is “admin” with no password.

If you do not see the “AV UI Login,” you may need to update the firmware on the device.





Change Default Password

New Password

.....



Confirm Password

.....

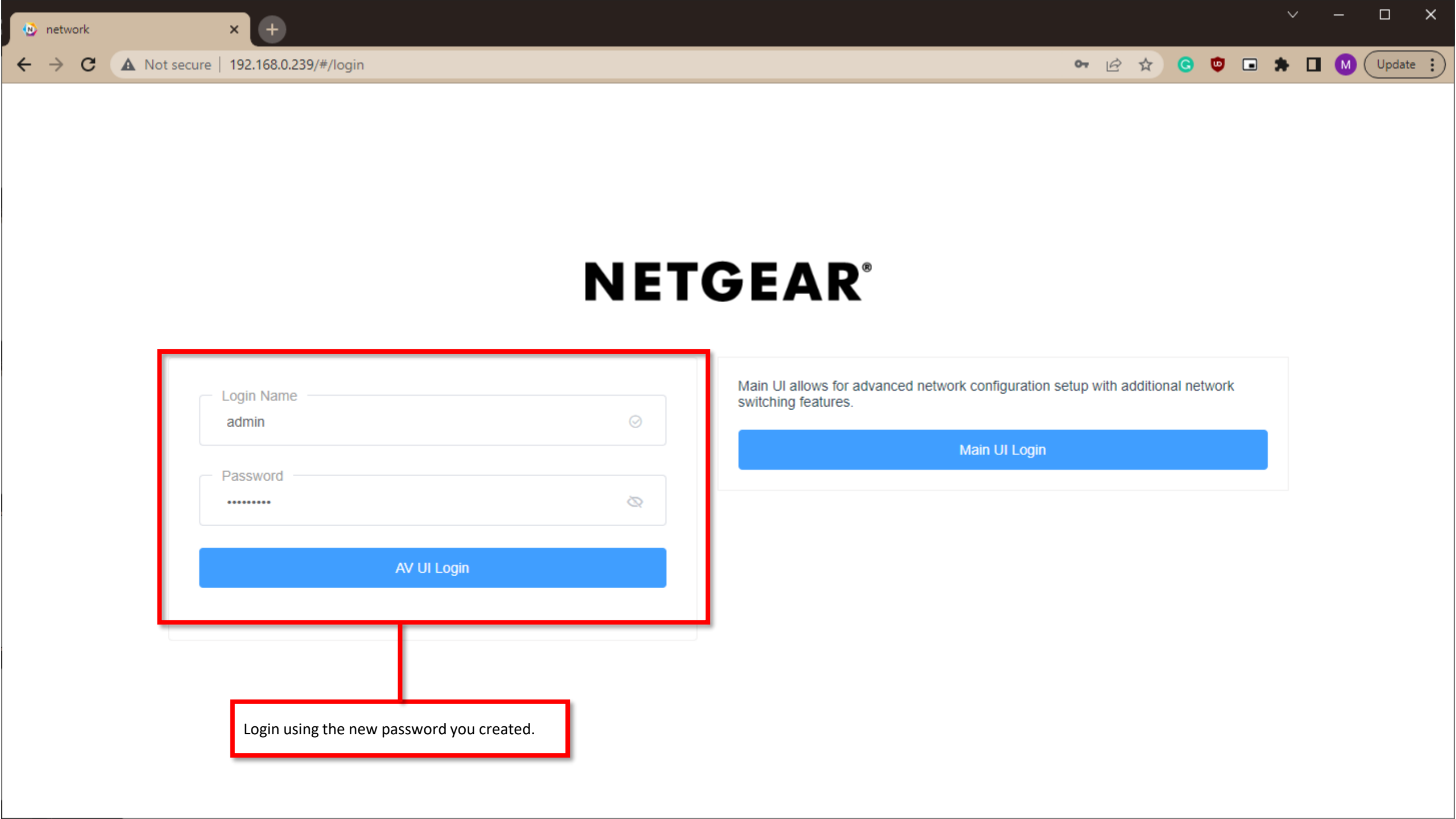


Cancel

Save

The first time that you log into the switch you will have to create an admin password.

Type in the new password and click on **“Save.”**



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Login Name

admin

Password

.....

AV UI Login

Main UI allows for advanced network configuration setup with additional network switching features.

Main UI Login

Login using the new password you created.

Configure

Overview

Network Profiles

Link Aggregation

Multicast

Neighbor

Power over Ethernet

Port configuration

Security

Maintenance

AVB License

Diagnostics

Overview

Configure | Overview

M4250-10G2F-PoE+

Show Legends



- Connected
- Connected & Powered
- Error
- Disabled
- Available
- Blocked
- Admin Down
- Warning
- Force-Authorized
- Force-Unauthorized
- LAG
- VLAN Trunk
- A Auto Trunk
- PoE
- PoE Disabled
- Force Multicast
- S 1G SFP Fiber Port
- S+ 10G SFP+ Fiber Port
- Shure Device Connected

Scroll down.

Device Details

Product Name M4250	Serial Number 6BA10852A0036	Model M4250-10G2F-PoE+	Date & Time 2023-03-13 21:50:04	Country/Region N/A
Base MAC Address 9C:C9:EB:15:EE:E4	System Name	Firmware Version 13.0.4.9	AV UI Version 2.2.2.16	Boot Version 1.0.0.11

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⚙️ Save

↺ Reboot

Question/Help ▾

👤 admin ▾

Port configuration

Security

Maintenance

AVB License

🔧 Diagnostics ▾

S 1G SFP Fiber Port

S+ 10G SFP+ Fiber Port

🟢 Shure Device Connected

Device Details

Product Name M4250	Serial Number 6BA10852A0036	Model M4250-10G2F-PoE+	Date & Time 2023-03-13 21:50:35 🔗	Country/Region N/A
Base MAC Address 9C:C9:EB:15:EE:F4	System Name 🔗	Firmware Version 13.0.4.9	AV UI Version 2.2.2.16	Boot Version 1.0.0.11
System Uptime 0 days, 6 hrs, 16 mins, 51 secs	OOB IP Address 192.168.0.239 🔗	Management IP Address 192.168.77.101 🔗	STP Network Redundancy Neutral mode (default) 🔗	

Configured Profiles

Here we can see the “**Management IP Address.**” This is the address of VLAN 1, the default management VLAN.

Profile Name	Profile type	VLAN ID	IP Address	# of Assigned Ports
■ Default	Data	1	192.168.77.101	12

Total 1

10/page ▾



1



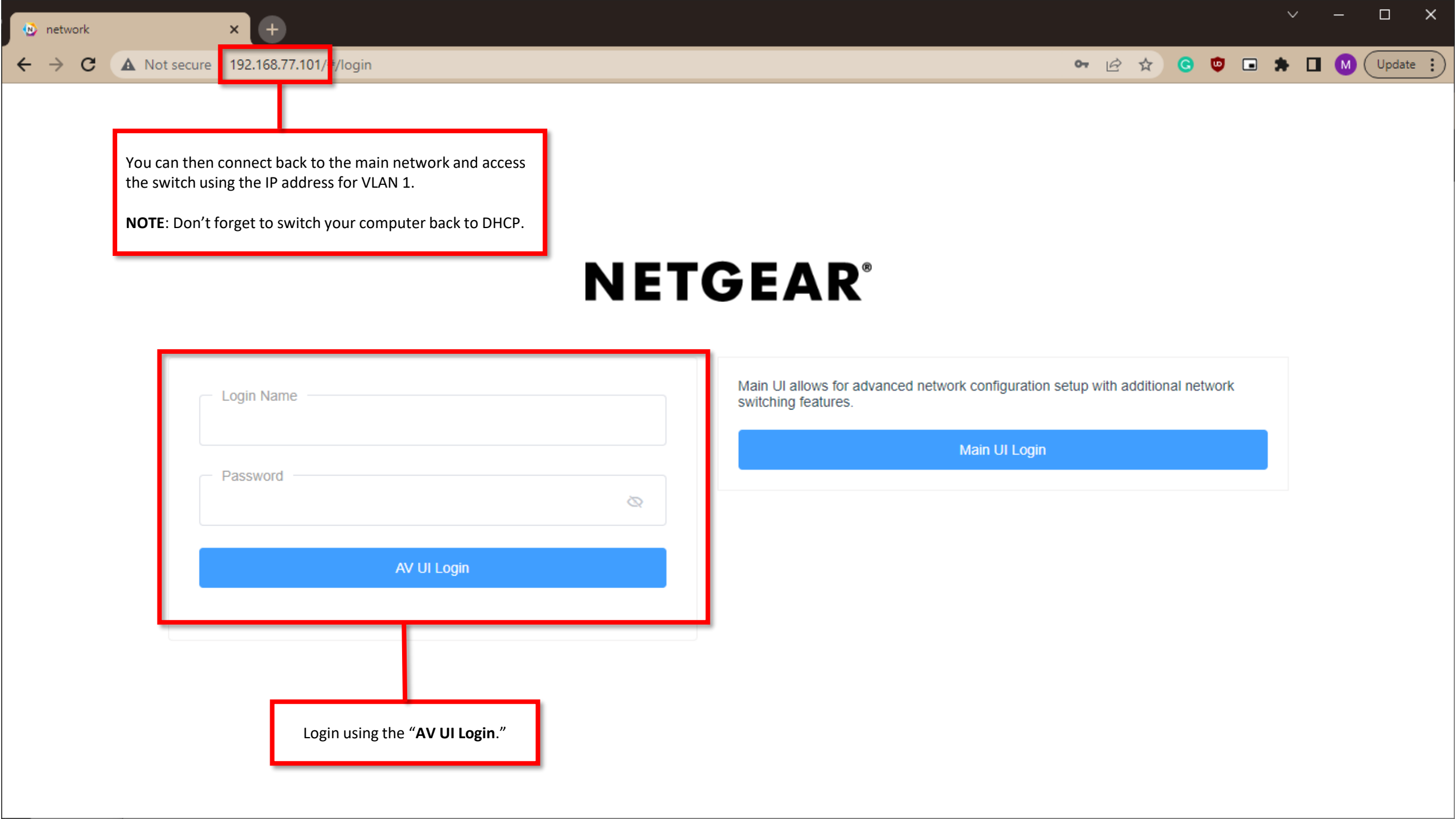
Go to

1

CPU Utilization

Memory Utilization

Fans & Temperature



You can then connect back to the main network and access the switch using the IP address for VLAN 1.

NOTE: Don't forget to switch your computer back to DHCP.

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AV UI Login

Main UI allows for advanced network configuration setup with additional network switching features.

Main UI Login

Login using the "AV UI Login."

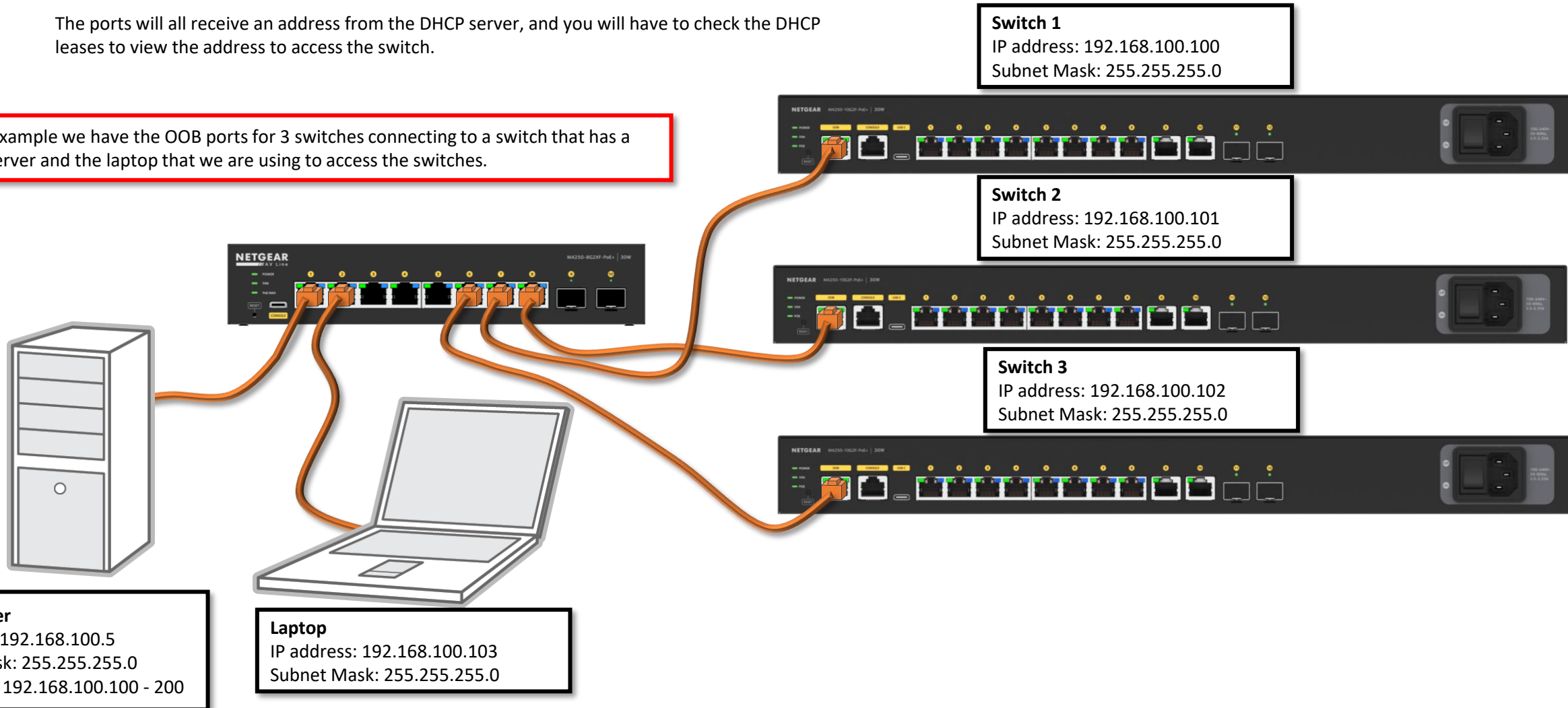
Accessing the switch interface using the OOB port using a DHCP server

The “Out of Band” port can receive an address via DHCP by default.

To access the OOB port on a switch via DHCP, you will need to connect the OOB port to another switch on a network that has a DHCP server.

The ports will all receive an address from the DHCP server, and you will have to check the DHCP leases to view the address to access the switch.

In this example we have the OOB ports for 3 switches connecting to a switch that has a DHCP server and the laptop that we are using to access the switches.



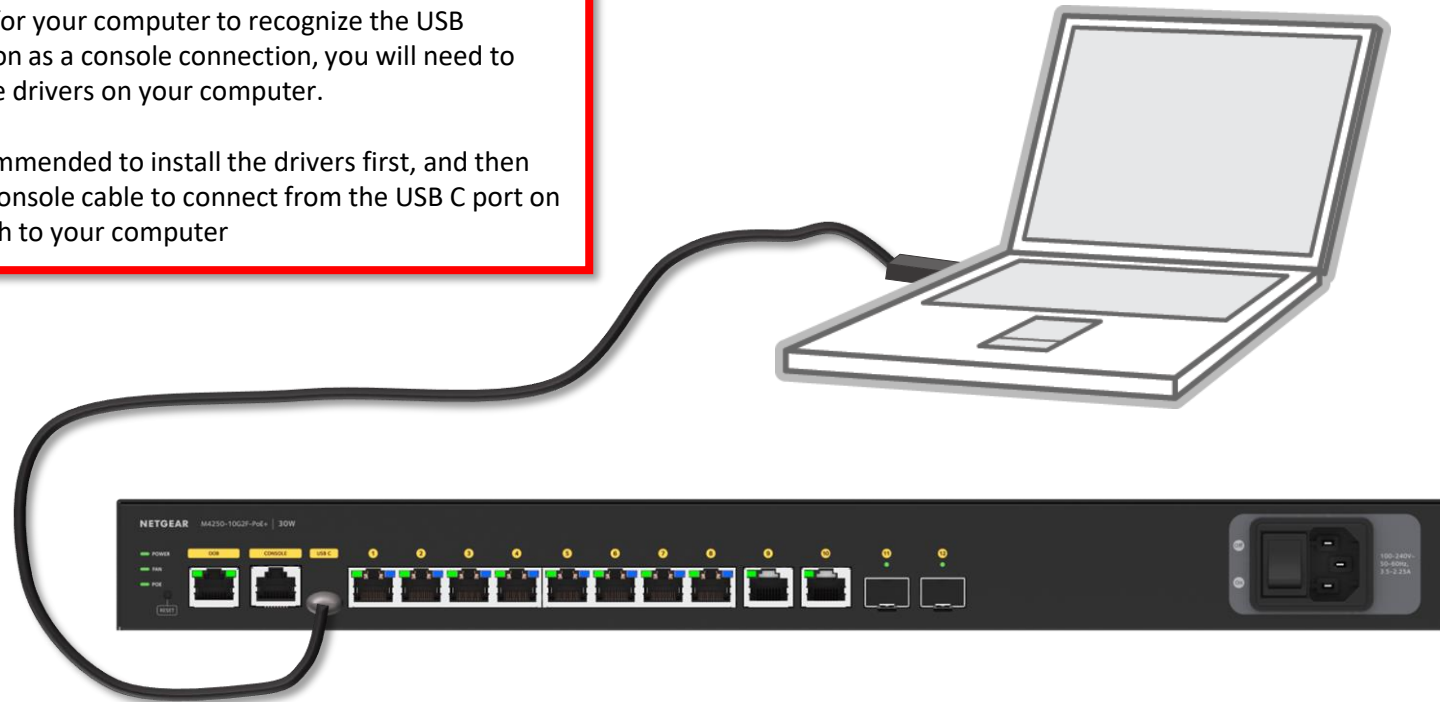
Accessing the switch via console to find the IP address

To access the switch via console you will need the console cable, a USB-A to USB-C that comes in the box with your switch.



In order for your computer to recognize the USB connection as a console connection, you will need to install the drivers on your computer.

It is recommended to install the drivers first, and then use the console cable to connect from the USB C port on the switch to your computer





We

Open a browser and go to “netgear.com/support/” or “support.netgear.com.”

ve resulted in an interruption of Internet service. For instructions to restore Internet connectivity. [Click here](#)

Welcome to NETGEAR Support

Let's get started.

Selecting your model allows us to tailor our support site for you.

M4250

M4250 — AV Line Managed Switches / M4250

M4250-10G2F-PoE+ (GSM4212P) — AV Line 8x1G PoE+ 125W 2x1G and 2xSFP Managed Switch / M4250-10G2F-PoE+ (GSM4212P)

M4250-10G2XF-PoE+ (GSM4212PX) — AV Line 8x1G PoE+ 240W 2x1G and 2xSFP+ Managed Switch / M4250-10G2XF-PoE+ (GSM4212PX)

M4250-10G2XF-PoE++ (GSM4212UX) — AV Line 8x1G Ultra90 PoE++ 802.3bt 720W 2x1G and 2xSFP+ Managed Switch / M4250-10G2XF-PoE++ (GSM4212UX)

M4250-12M2XF (MSM4214X) — AV Line 12x2.5G and 2xSFP+ Managed Switch / M4250-12M2XF (MSM4214X)

M4250-16XF (XSM4216F) — AV Line 16x1G/10G Fiber SFP+ Managed Switch / M4250-16XF (XSM4216F)

M4250-26G4F-PoE+ (GSM4230P) — AV Line 24x1G PoE+ 300W 2x1G and 4xSFP Managed Switch / M4250-26G4F-PoE+ (GSM4230P)

M4250-26G4F-PoE++ (GSM4230UP) — AV Line 24x1G Ultra90 PoE++ 802.3bt 1,440W 2x1G and 4xSFP Managed Switch / M4250-26G4F-PoE++ (GSM4230UP)

Select

How to Find Your Model Number?

To find the model/version number of a device, check the bottom or back panel. **Example:**

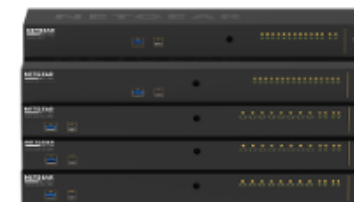
Type in “M4250” and go to the “M4250 – AV Line Managed Switches /M4250”

Find Your Model Number >

Support / M4250

M4250 — AV Line Managed Switches

Model / Version: M4250

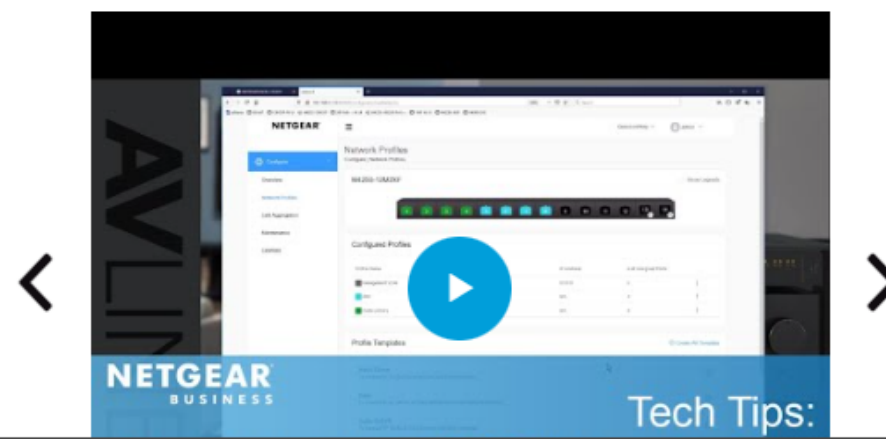
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Click on "Downloads."

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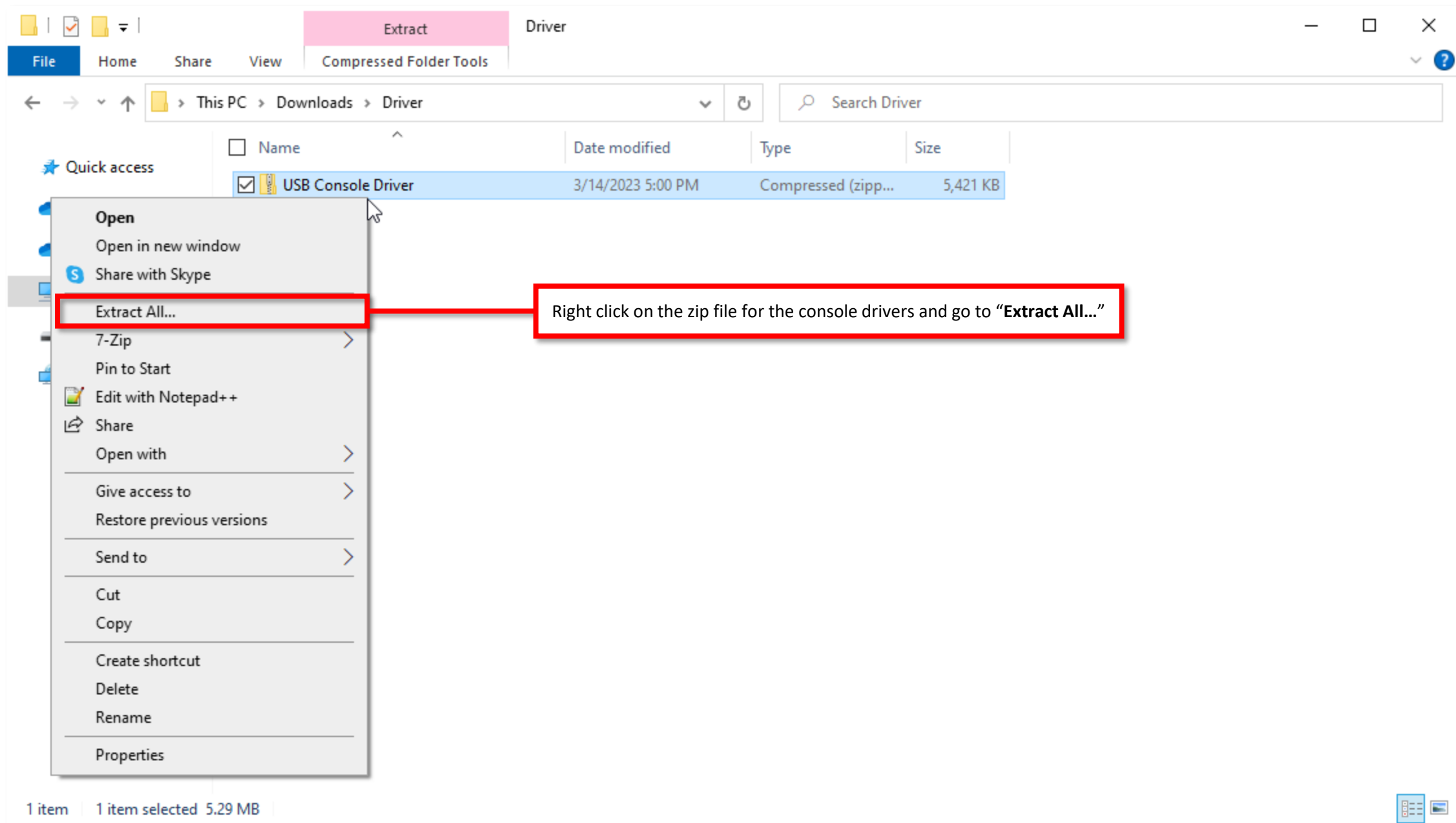
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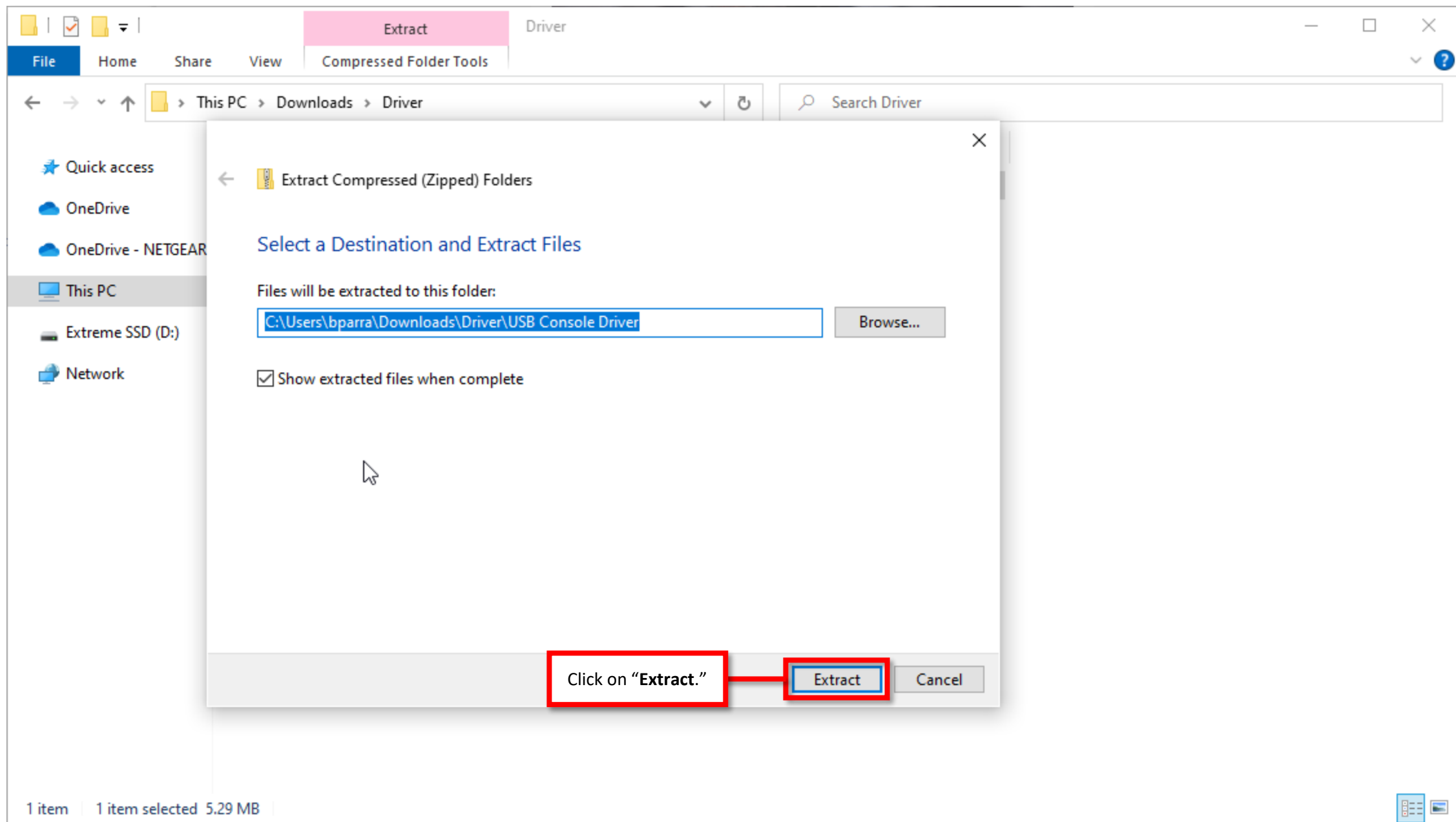
Current Versions

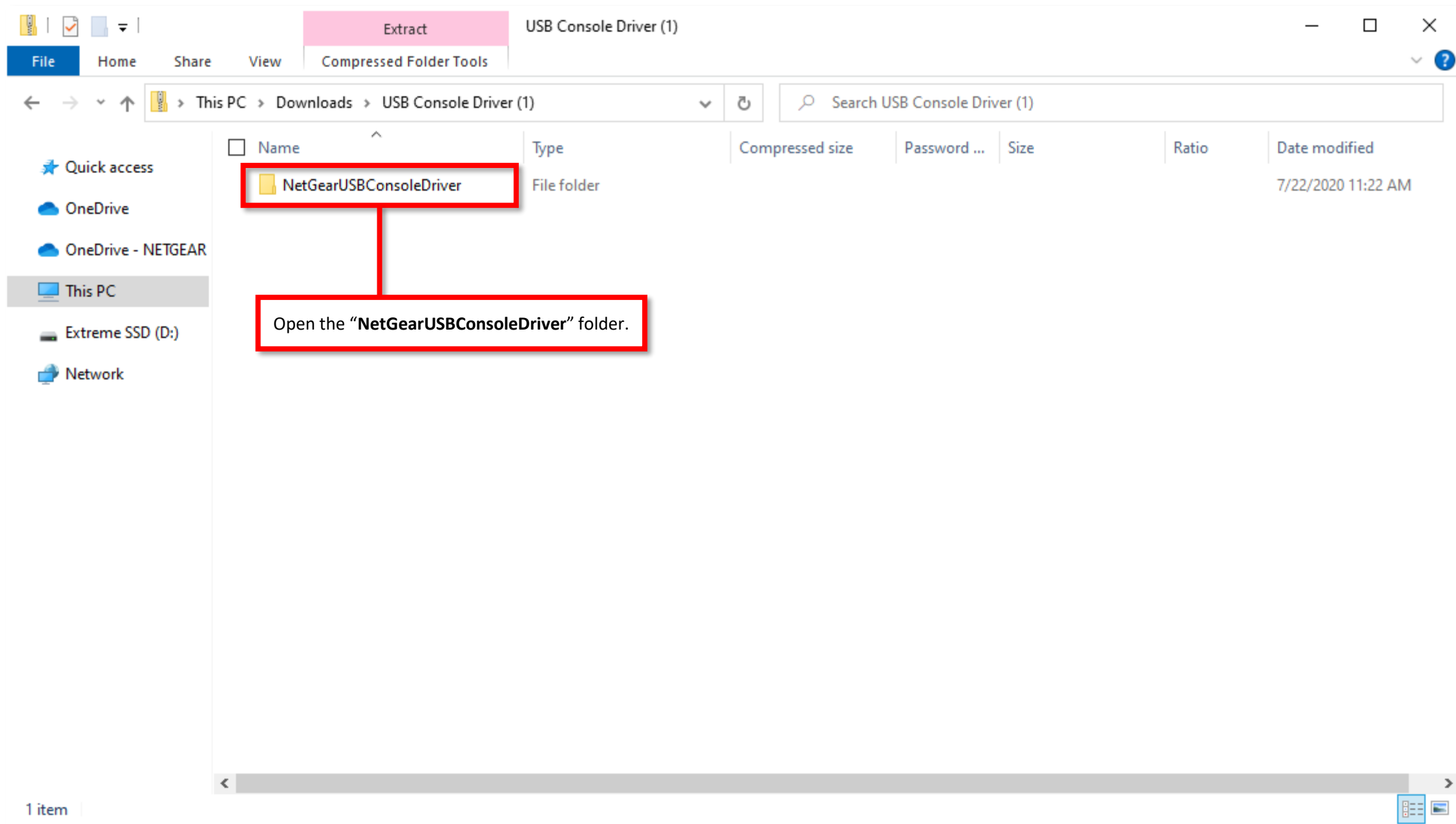
[Firmware Version 13.0.4.12 for M4250 switches with 16-or-less ports](#) ▾[MIB Version 13.0.4.12 for M4250 switches with 16-or-less ports](#) ▾[Firmware Version 13.0.4.12 for M4250 switches with 24-or-more ports](#) ▾[MIB Version 13.0.4.12 for M4250 switches with 24-or-more ports](#) ▾[NETGEAR Engage Controller for Mac Version 1.0.2.16](#) ▾[NETGEAR Engage Controller for Windows Version 1.0.2.16](#) ▾[USB Console Driver](#) ▴[Download](#)

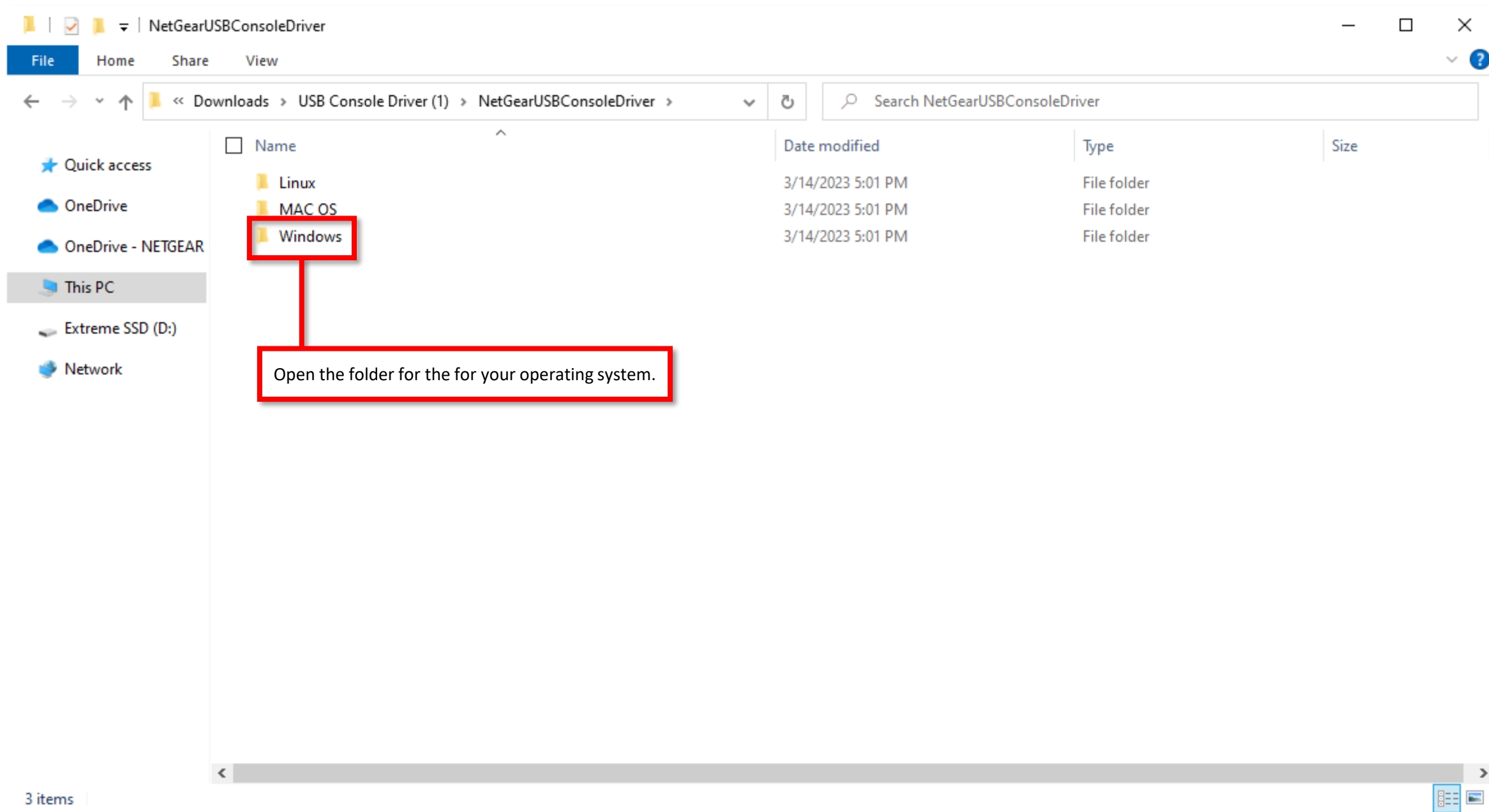
File size: 3 MB

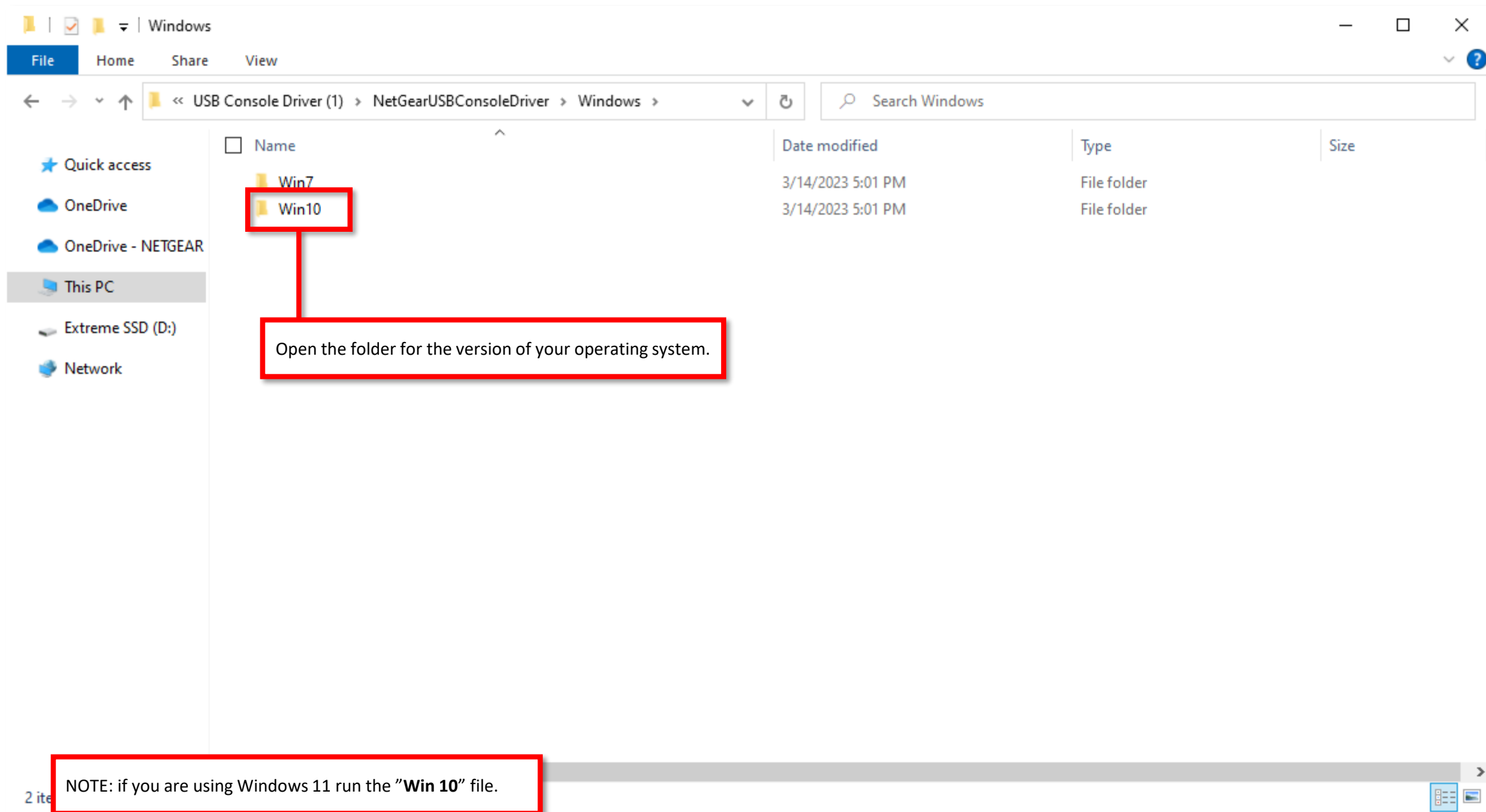
[+ View Previous Versions](#)











File Home Share View **Extract** Compressed Folder Tools Win10

< > << >> << NetGearUSBConsoleDriver > Windows > Win10 Search Win10

Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
arm	File folder					7/22/2020 11:11 AM
arm64	File folder					7/22/2020 11:11 AM
x64	File folder					7/22/2020 11:11 AM
x86	File folder					7/22/2020 11:11 AM
CP210xInstaller_x64	Application	324 KB	No	1,017 KB	69%	3/30/2015 6:30 PM
CP210xInstaller_x86	Application	312 KB	No	895 KB	66%	3/30/2015 6:16 PM
dpinst	XML Document	1 KB	No	1 KB	48%	7/22/2020 1:26 PM
silabser	Security Catalog	6 KB	No	12 KB	47%	7/15/2020 12:41 AM
silabser	Setup Information	2 KB	No	4 KB	66%	7/15/2020 12:33 AM
SLAB_License_Agreement_VCP_...	Text Document	4 KB	No	9 KB	61%	6/24/2019 1:37 PM

Run the application for your system type.

CP210xInstaller_x86 if you are running a 32-bit operating system.
CP210xInstaller_x64 if you are running a 64-bit operating system.

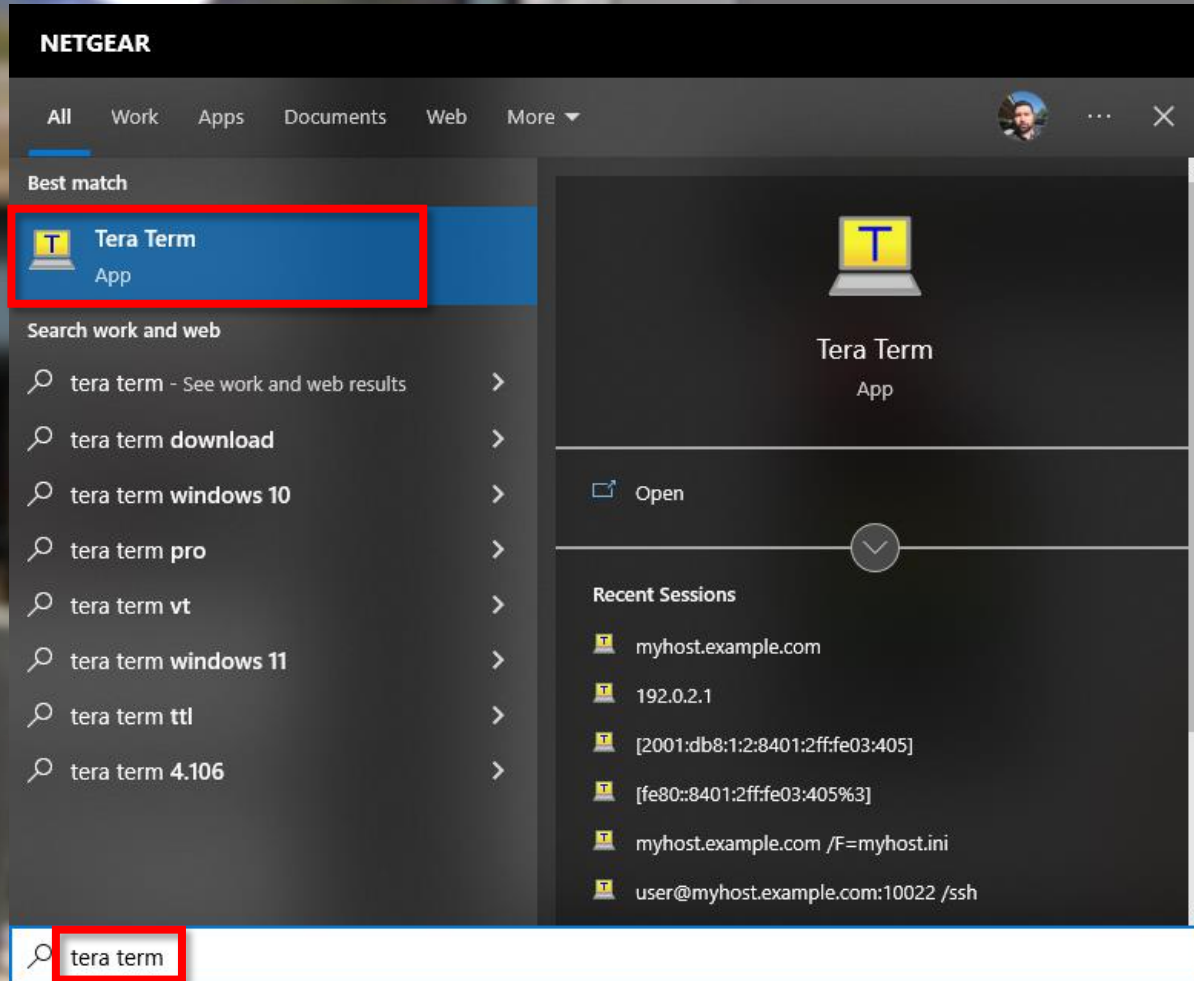
This will install the USB console drivers.

10 items

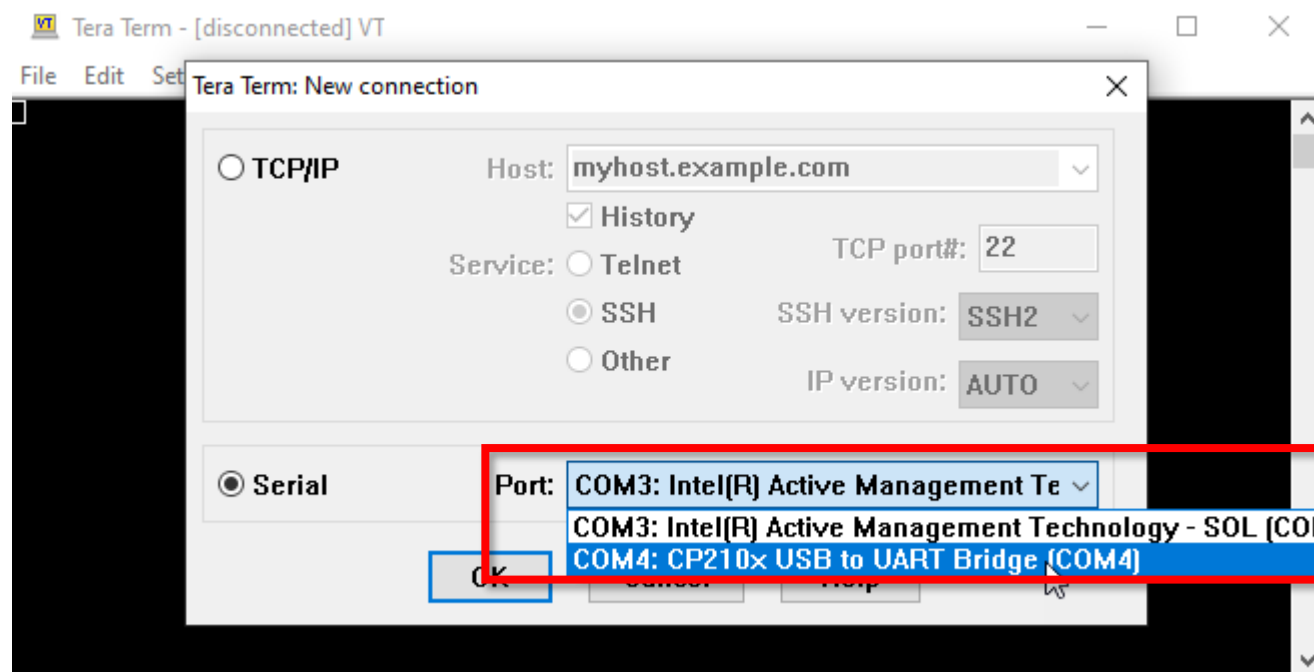
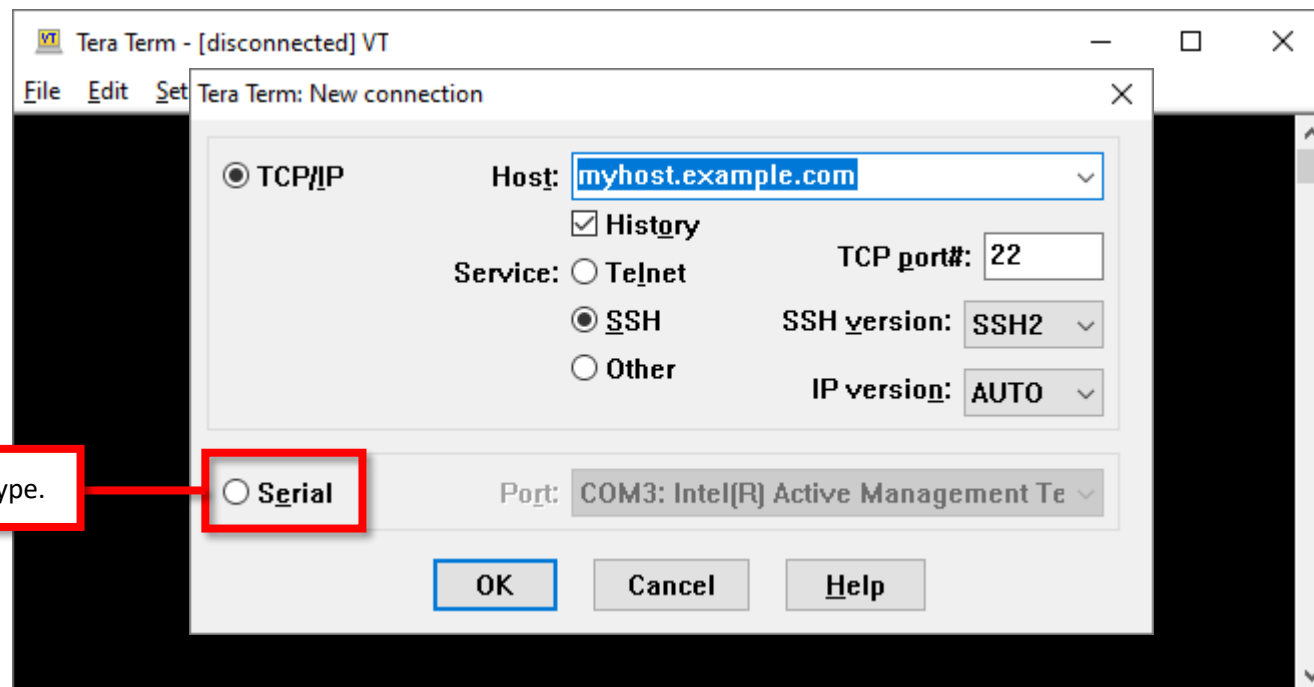


Once the drivers are installed connect the USB cable from the console port on the switch to your computer.

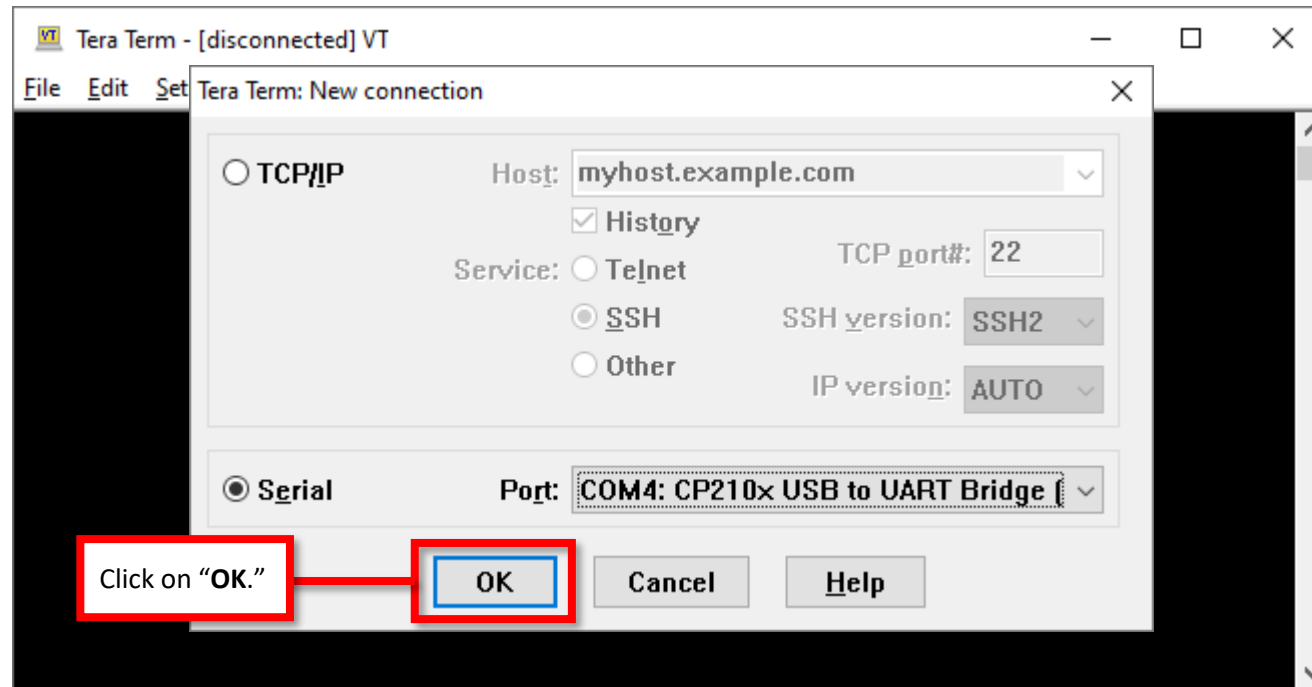
We will be using "Tera Term" to connect to the switch.

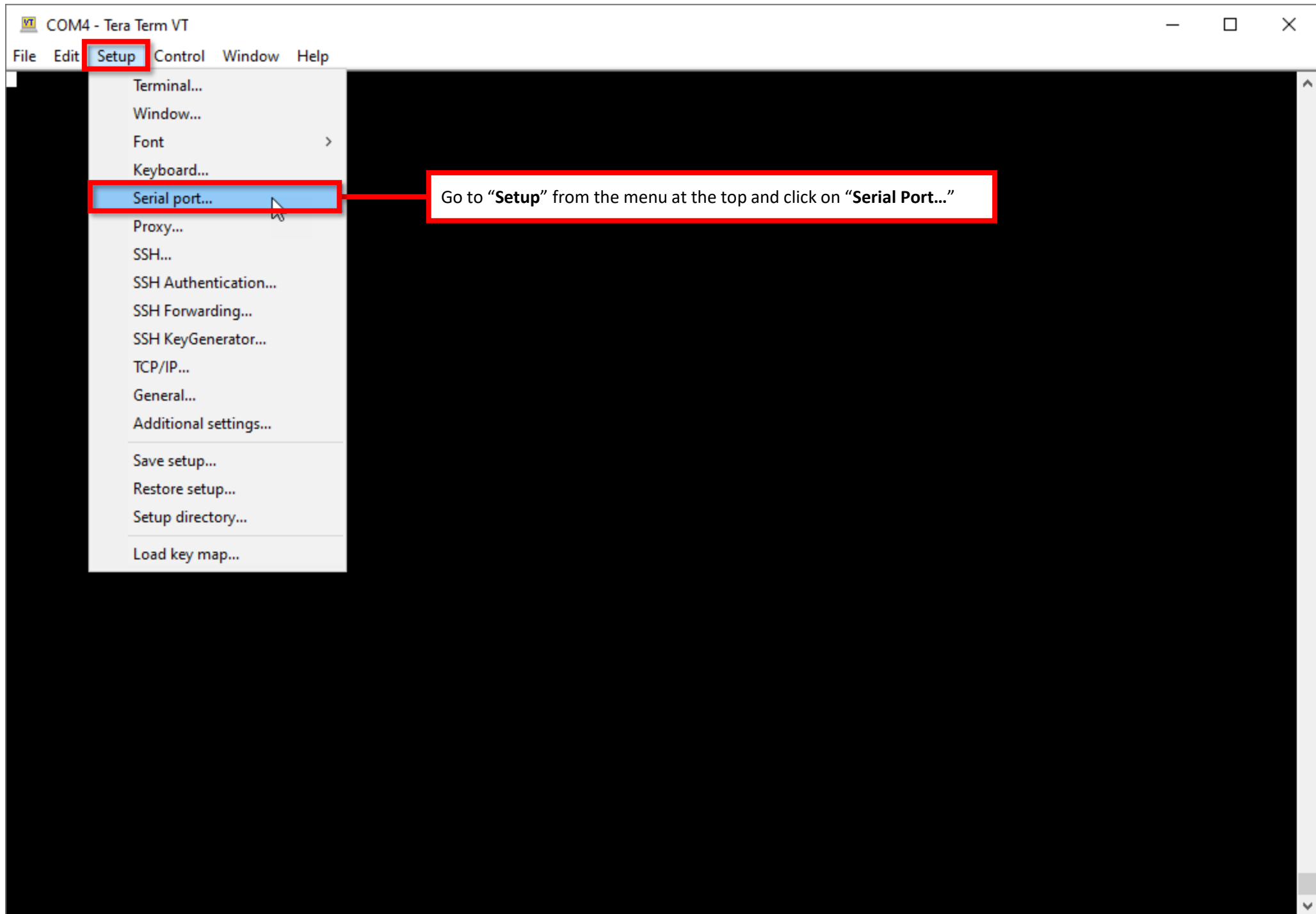


Select the "Serial" connection type.



Select the USB "COM" connection.





Tera Term: Serial port setup and connection

Port: COM4
Speed: 115200
Data: 8 bit
Parity: none
Stop bits: 1 bit
Flow control: none

New setting

Cancel

Help

Transmit delay

0

msec/char

0

msec/line

Device Friendly Name: CP210x USB to UART Bridge (COM4)
Device Instance ID: USB\VID_0846&PID_1100\6BA10852A0031
Device Manufacturer: NETGEAR
Provider Name: NETGEAR Inc.
Driver Date: 7-13-2020
Driver Version: 10.1.8.2466

Change the "Speed" to "115200."

After setting the "Speed," click on "New setting."



User:admin

Password:

Default password authentication successful.
Change the default password for user 'admin'.
Password requires 8 or more characters.

New password:■

After changing the speed, the screen may remain blank, just press "Enter" and you will see the "User:" prompt.

Login with the user "**admin**" and no password.

You will be prompted to enter and verify the new password.


```
User:admin
Password:
Default password authentication successful.
Change the default password for user 'admin'.
Password requires 8 or more characters.

New password:*****
Re-enter new password:*****
Password change is successful.

!!! For Guest user access, change the default 'guest' password.

Log in again using the new password.

Config file 'startup-config' created successfully .
```

```
User:admin
Password:*****
```

Login using the user “**admin**” and the new password that you created.

```
KN4258-10G2F-F0E*??
```

```
User:admin
Password:
Default password authentication successful.
Change the default password for user 'admin'.
Password requires 8 or more characters.

New password:*****
Re-enter new password:*****
Password change is successful.

!!! For Guest user access, change the default 'guest' password.

Log in again using the new password.

Config file 'startup-config' created successfully .
```

```
User:admin
Password:
<M4250-10G2F-PoE+>>en
<M4250-10G2F-PoE+>#
```

Type in “en” or “enable” to access enable mode.
You will then see the “#” on the prompt.

```
User:admin
Password:
Default password authentication successful.
Change the default password for user 'admin'.
Password requires 8 or more characters.

New password:*****
Re-enter new password:*****
Password change is successful.

!!! For Guest user access, change the default 'guest' password.

Log in again using the new password.

Config file 'startup-config' created successfully .
```

```
User:admin
Password:*****
(M4250-10G2F-PoE+)>en
```

```
(M4250-10G2F-PoE+)#show ip vlan
```

Type in the command "show ip vlan" and press "Enter."

```
User:admin
Password:
Default password authentication successful.
Change the default password for user 'admin'.
Password requires 8 or more characters.

New password:*****
Re-enter new password:*****
Password change is successful.

!!! For Guest user access, change the default 'guest' password.

Log in again using the new password.

Config file 'startup-config' created successfully .
```

```
User:admin
Password:*****
<M4250-10G2F-PoE+>en
```

```
<M4250-10G2F-PoE+>#show ip vlan
```

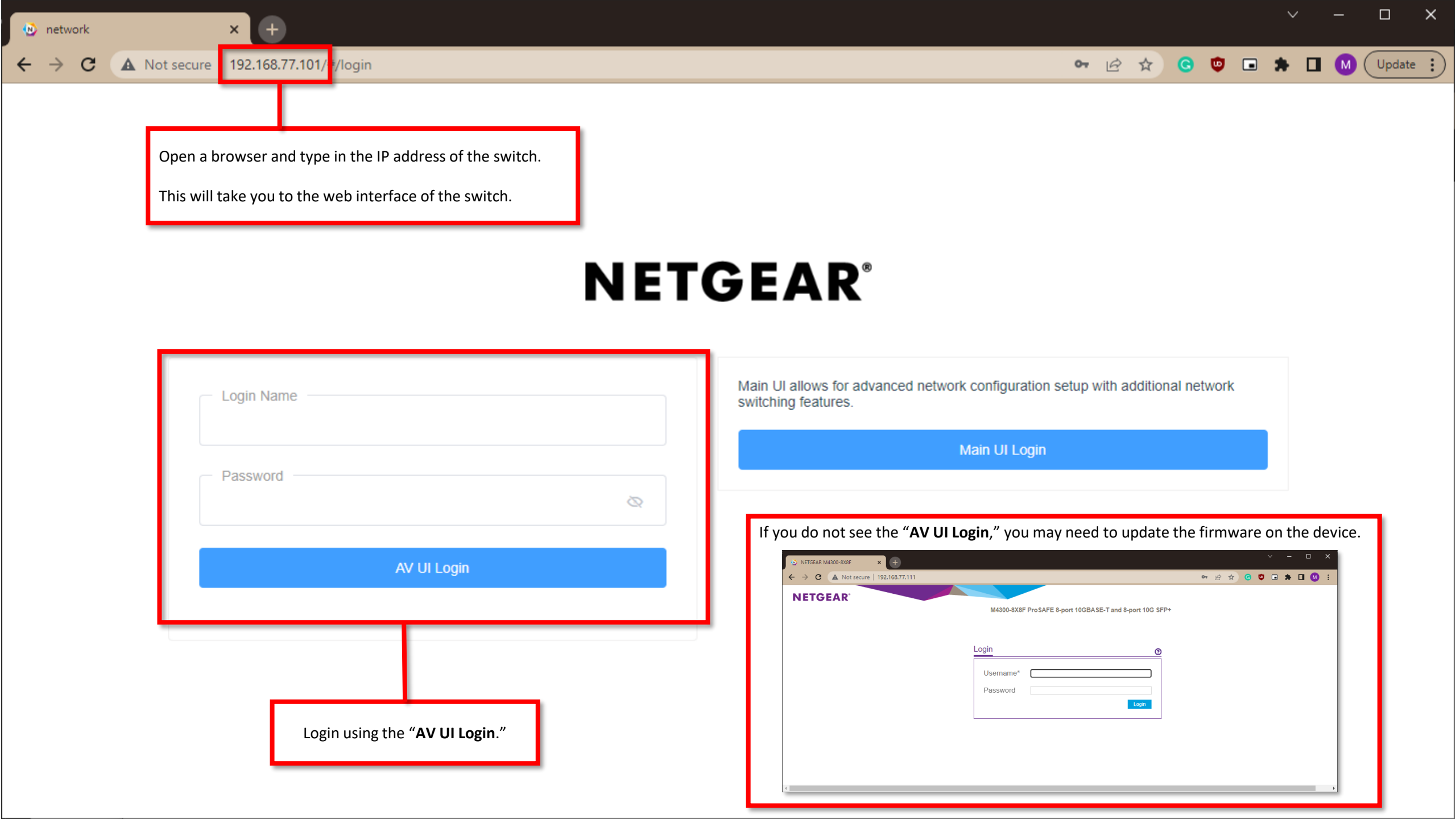
```
MAC Address used by Routing VLANs: 9C:C9:EB:15:EE:F7
```

VLAN ID	Logical Interface	IP Address	Subnet Mask
1	vlan 1	192.168.77.101	255.255.255.0

```
<M4250-10G2F-PoE+>#
```

Here we can see the IP address that our management VLAN (VLAN 1) received via DHCP. We can now open a browser and go to this IP address to access the switches web UI.

You can also use the command: **show ip management**



Open a browser and type in the IP address of the switch.
This will take you to the web interface of the switch.

NETGEAR®

Login Name

Password

AV UI Login

Main UI allows for advanced network configuration setup with additional network switching features.

Main UI Login

If you do not see the "AV UI Login," you may need to update the firmware on the device.

NETGEAR M4300-8X8F

NETGEAR

M4300-8X8F ProSAFE 8-port 10GBASE-T and 8-port 10G SFP+

Login

Username*

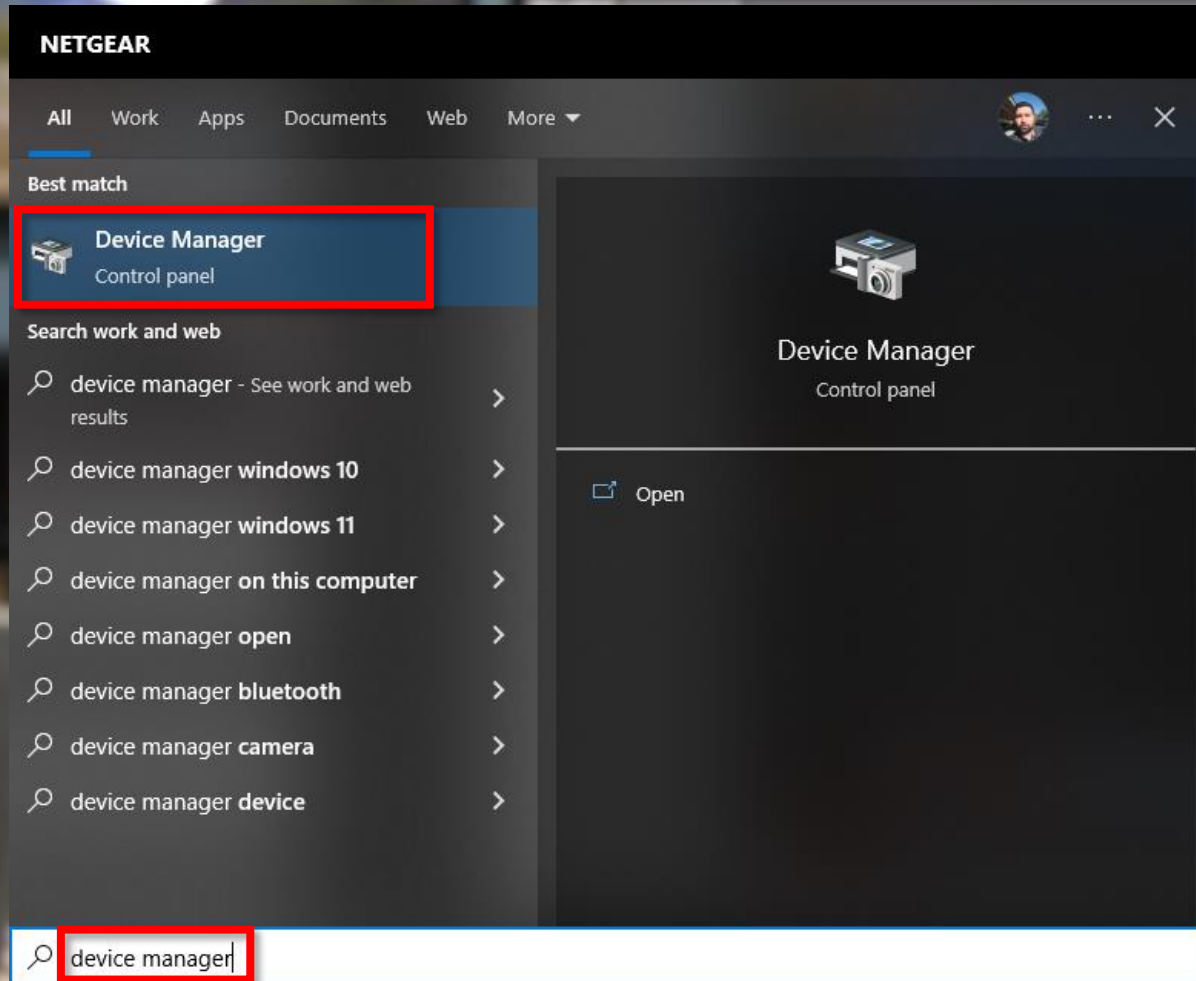
Password

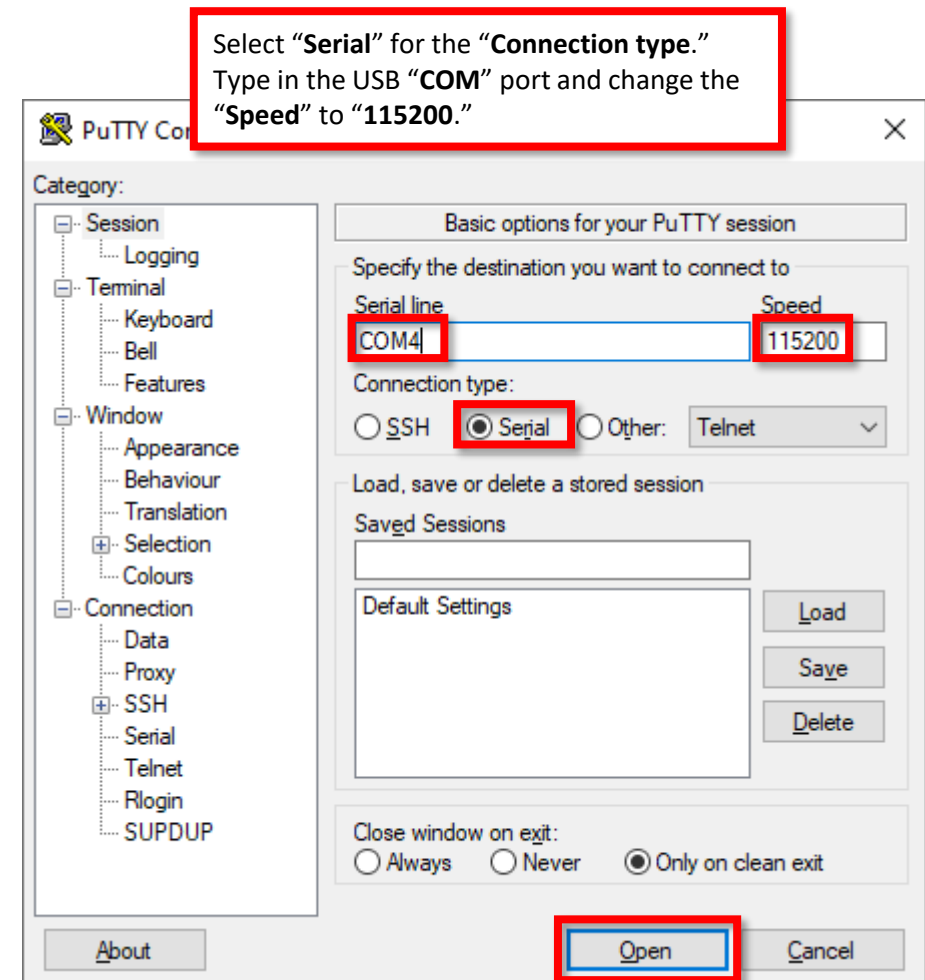
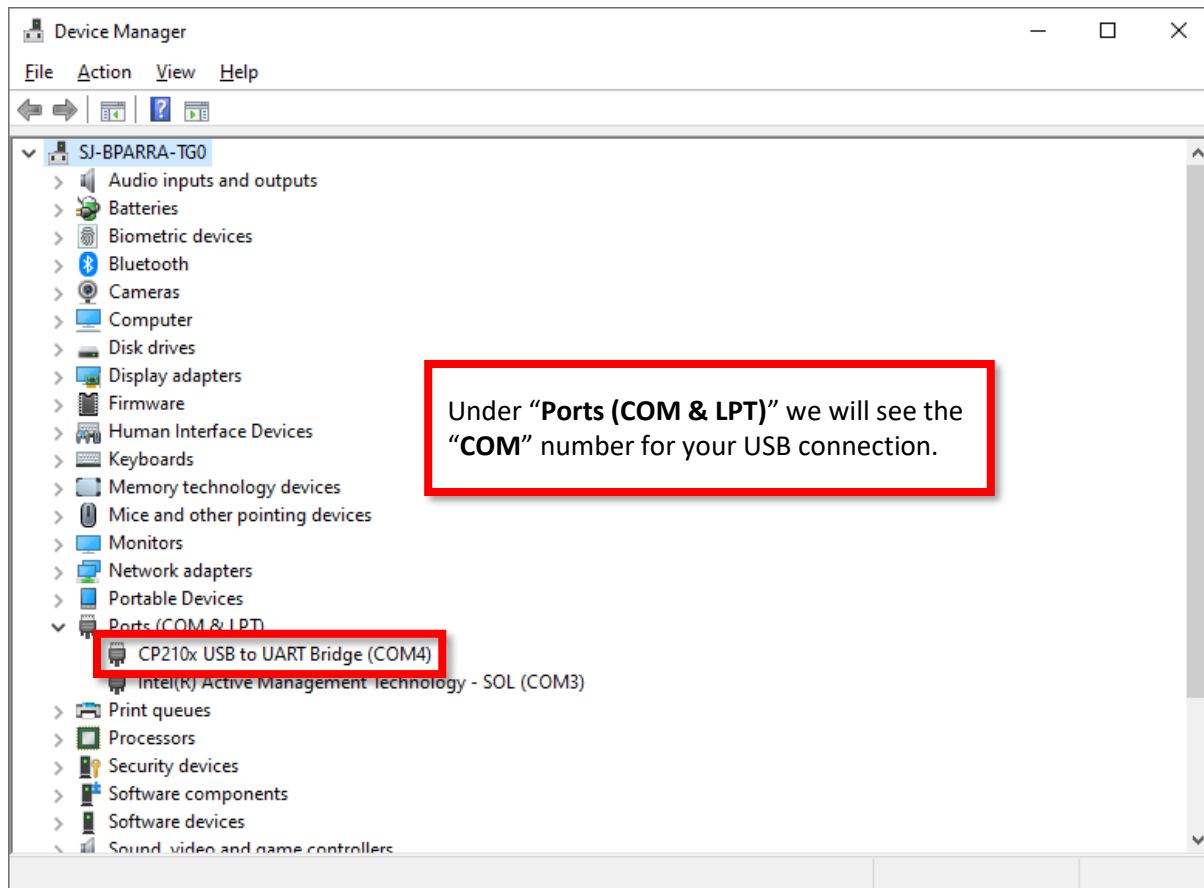
Login

Login using the "AV UI Login."



If you are using “**PuTTY**,” you will need to manually type in the USB console “**COM**” port number. You can find this information by opening “**Device Manager**.”





End

