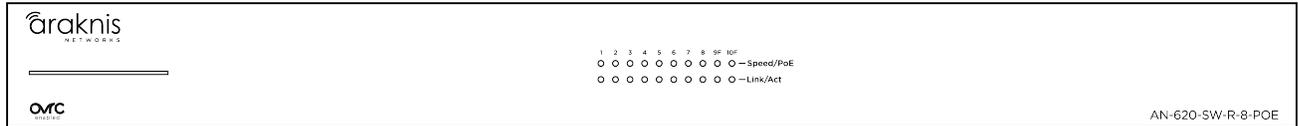

AN-620-SW

Araknis 620 Switch Quick Start Guide



Welcome to Araknis Networks™

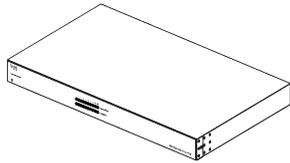
Thank you for choosing an Araknis 620 series managed switch. With multi-gigabit connectivity on all ports, updated modern aesthetics, and a managed interface, the Araknis 620 series switch is a sleek and highly capable addition to any network.

Series overview

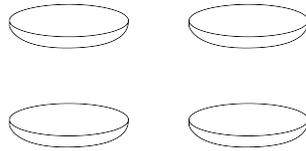
Model	Ethernet Ports	SFP+ Ports	PoE Budget (Watts)
AN-620-SW-R-8-POE	8	2	240
AN-620-SW-R-24-POE	24	2	720

Unboxing

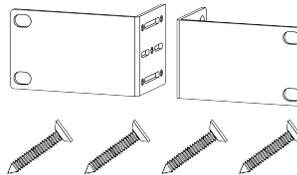
The package contains:



Switch



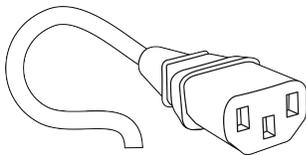
Rubber feet for flat surfaces (4)



Rack-mount kit: ears (2), screws (8)



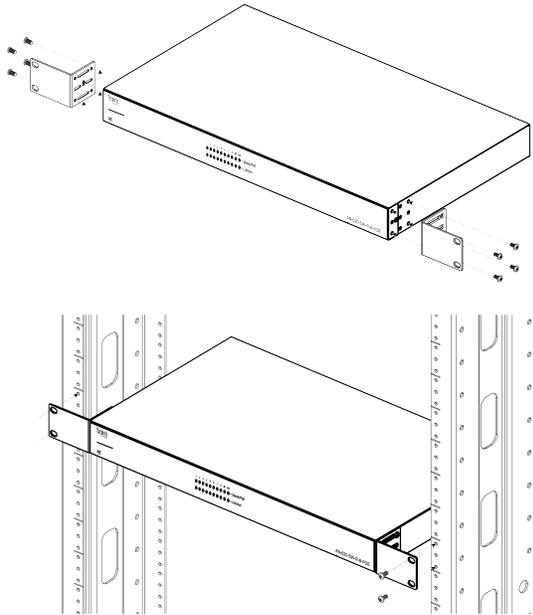
Quick Start Guide QR card



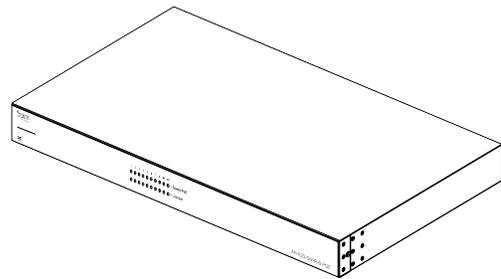
AC power cord

Installing the switch

Rack mount



Shelf mount



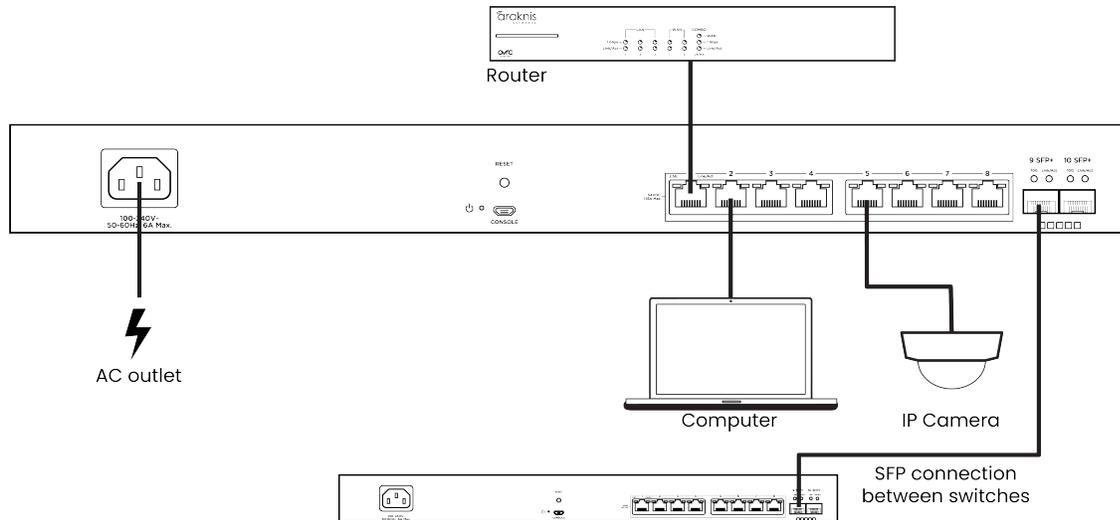
Caution: To avoid possible interference or damage, do not stack equipment on top of the switch.

Rack mounting guidelines

- The maximum ambient temperature of the space the switch is installed in should not exceed 122 °F/50 °C.
- Allow to air flow through the rack.
- Verify all the leveling feet or casters are adjusted correctly and they come in contact with the supporting surface. Always load heavier equipment at the bottom of the rack.
- Make sure the rack is grounded and the equipment is surge protected.

- Do not overload the power equipment, or the switch. Check out our [WattBox Best Practices](#) for more information.

Step 3: Connections

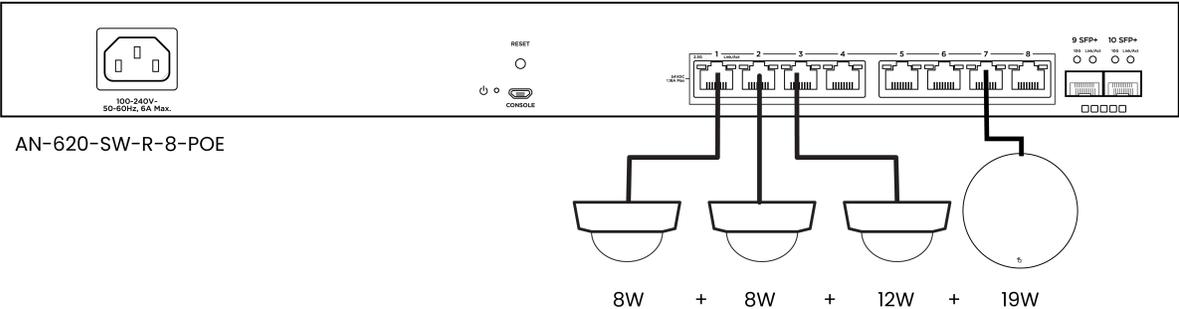


SFP+ ports

The SFP+ (Small Form Factor Pluggable plus) ports support up to 10 Gbps connection and are typically used to connect switches together. Use SFP+ adapters for RJ45 or multi-mode fiber cables (sold separately).

PoE budgeting

The PoE budget (Power over Ethernet) limits the amount of power available to all ports, with a maximum of 60W on an individual port. Add the total number of *possible* watts that the connected devices can consume to make sure everything can receive power reliably. See the example below.

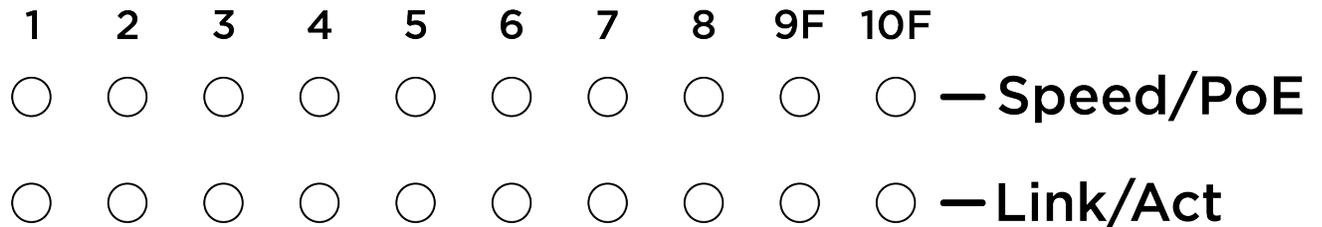


Model	PoE budget (Watts)
AN-620-SW-R-8-POE	240
AN-620-SW-R-24-POE	720

Total PoE budget available = 240
 Total PoE device consumption = 47
 Remaining PoE budget available = 193

LED states & reset procedures

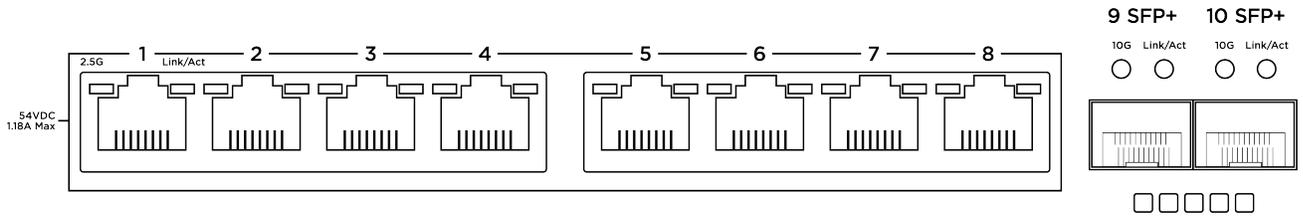
Front



LED	LED state	Description
Power	On	The switch is powered on.
	Off	The switch is powered off.
Speed/PoE	On	The port is passing 2.5Gbps and/or PoE.*
	Off	The port is not passing 2.5Gbps and/or PoE.*
Link/Act	On	The port detects a connection.
	Blinking	Packets are flowing through the port.
	Off	The port does not detect a connection or the port is disabled.

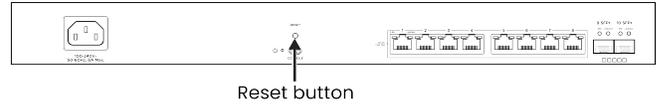
*Configurable in the web interface.

Rear



LED	LED state	Description
RJ45 2.5G	On	The RJ45 port is negotiating packets at 2.5Gbps.
	Off	The RJ45 port is not negotiating 2.5Gbps but may be passing traffic. Check the Link/Act LED to verify if packets are flowing through the port.
SFP 10G	On	The SFP port is negotiating packets at 10Gbps.
	Off	The SFP port is not negotiating 10Gbps but may be passing traffic. Check the Link/Act LED to verify if packets are flowing through the port.
Link/Act	Blinking	Packets are flowing through the port.
	Off	The port does not detect a connection.

Reset procedures



The reset button is on the back of the switch.

Note: The front and back power LEDs have the same behavior.

Reset button action	LED state	Description
Hold the reset button for 1-9 seconds	Blinking slowly	Restarts the switch
Hold the reset button for 10-19 seconds	Blinking moderately	Resets the username and password to araknis.
Hold the reset button for more than 20 seconds	Blinking rapidly	Resets the switch to factory defaults.

Step 5: Configuration

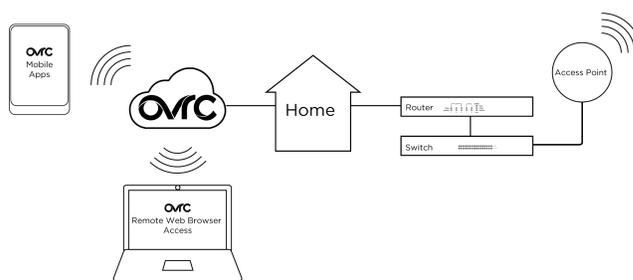
Araknis switches can be configured through OvrC or the local interface. The local interface is accessible using OvrC's webconnect feature, typing the switch's DHCP address into your browser's address bar, or using the switch's default IP address.

Configuring the switch in OvrC

OvrC provides remote device management, real-time notifications, and intuitive customer management, using your computer or mobile device. Setup is plug-and-play, with no port forwarding or DDNS address required.

To add this device to your OvrC account:

1. Connect the switch to the internet.
2. Log into OvrC (www.ovrc.com).
3. Scan the site using an OvrC Pro device, or add the switch manually by entering the MAC address and Service Tag.



Logging into the web interface

1. Log into the switch using the default credentials:

Username	araknis
Password	araknis

2. You must update the password after initial login.

The screenshot shows the Araknis Networks login page. On the left is the Araknis Networks logo. On the right, there are two input fields: 'Username' and 'Password'. Below the fields is a green 'Log In' button.

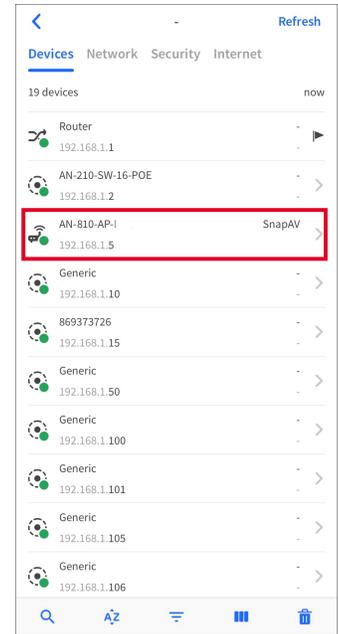
Pro Tip: Strong passwords are long and unrelated to the client's public details. For example, thepepperonipizzas is stronger and easier to remember than P@ssword or thesmiths.

Other access methods: DHCP IP address

The switch is configured to DHCP by default so that the DHCP server can assign an IP address when the switch is connected to the network (the DHCP server is usually the router). This address can be used for accessing the web interface.

Use one of these methods to find the IP address of the switch:

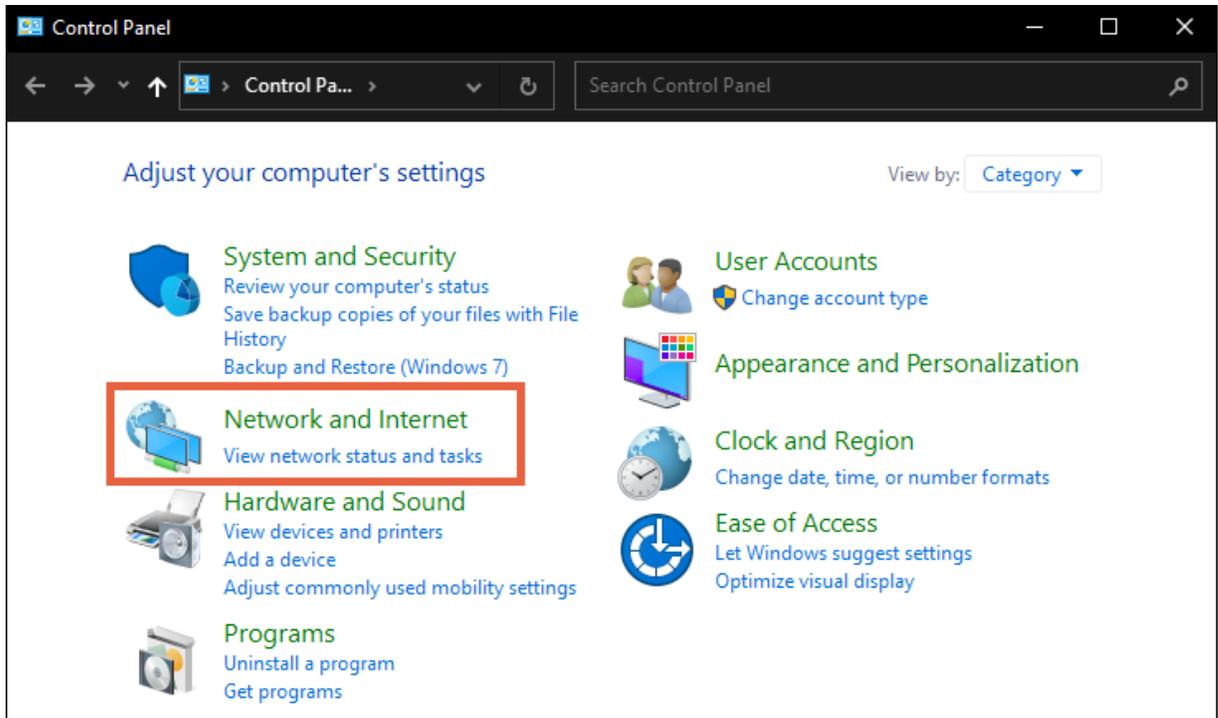
- Check the device list in OvrC.
- Check the client table on your router.
- Use a network scanner (e.g. Fing) to scan the network. The Araknis switch manufacturer field displays SnapAV.
- See the highlighted field in the Fing screenshot to the right for an example of an Araknis device being identified.



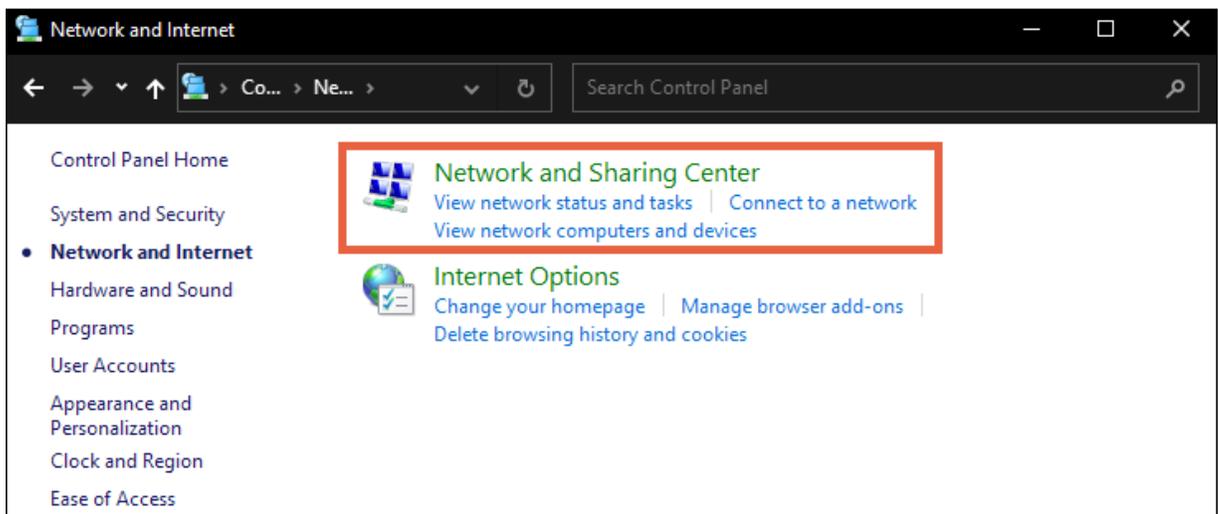
Accessing the switch using the default IP address

If the switch is not given a DHCP address, or needs to be accessed while not connected to a network, you can configure your computer's network connection to access the switch using the default IP address, **192.168.20.254**.

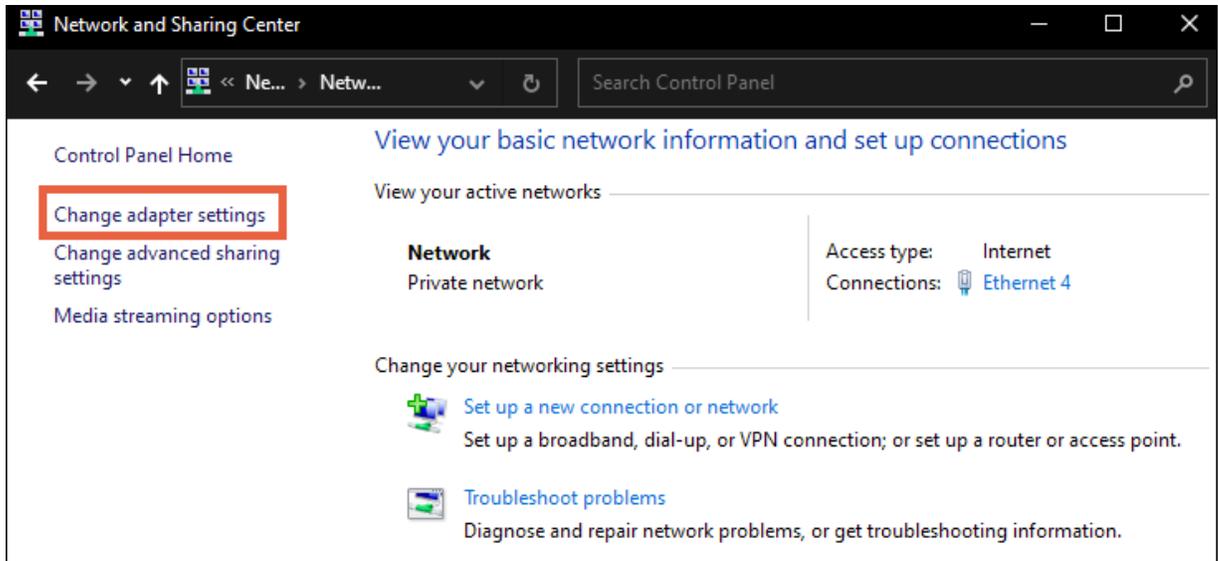
1. Connect your PC to the switch using an Ethernet cable.
2. Open the Control Panel and click **Network and Internet**.



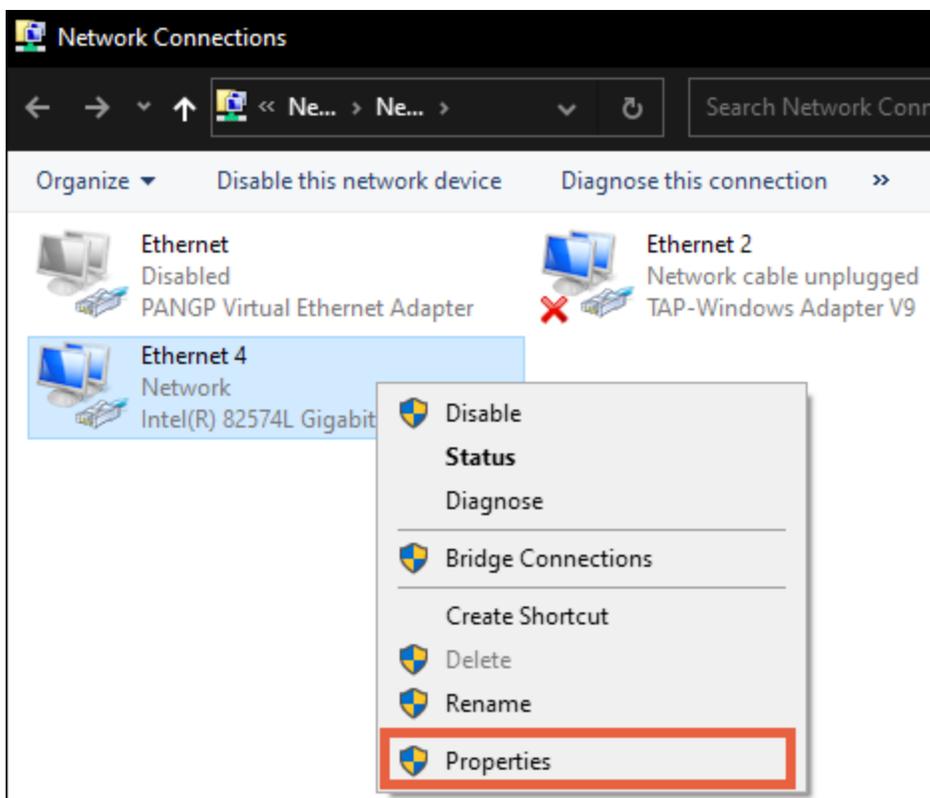
3. Click **Network and Sharing Center**.



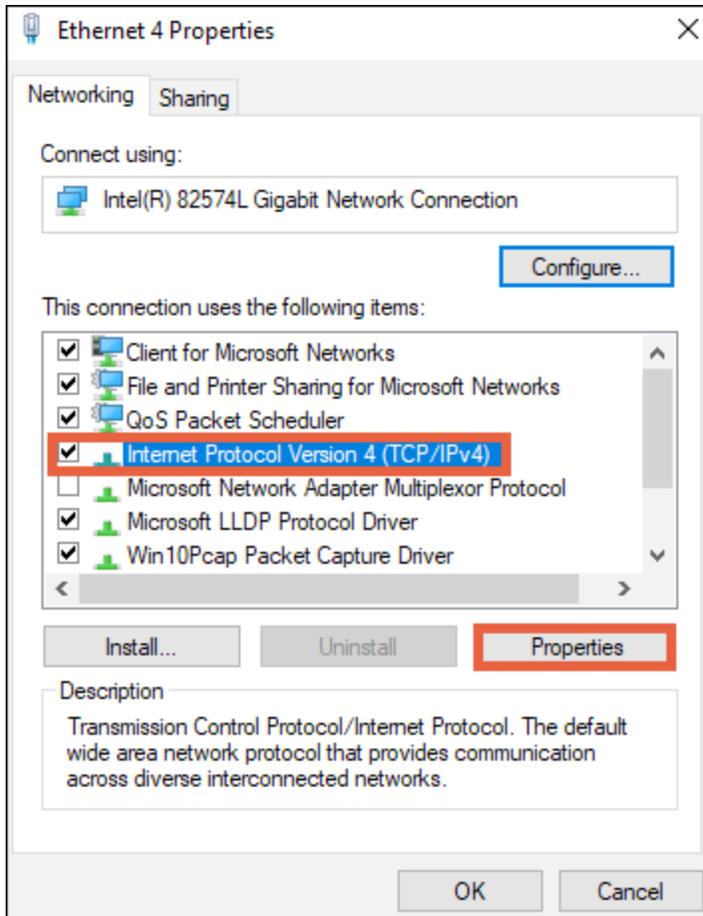
4. Click **Change adapter settings**.



5. Right-click the icon for the wired network connection, then left-click **Properties**.

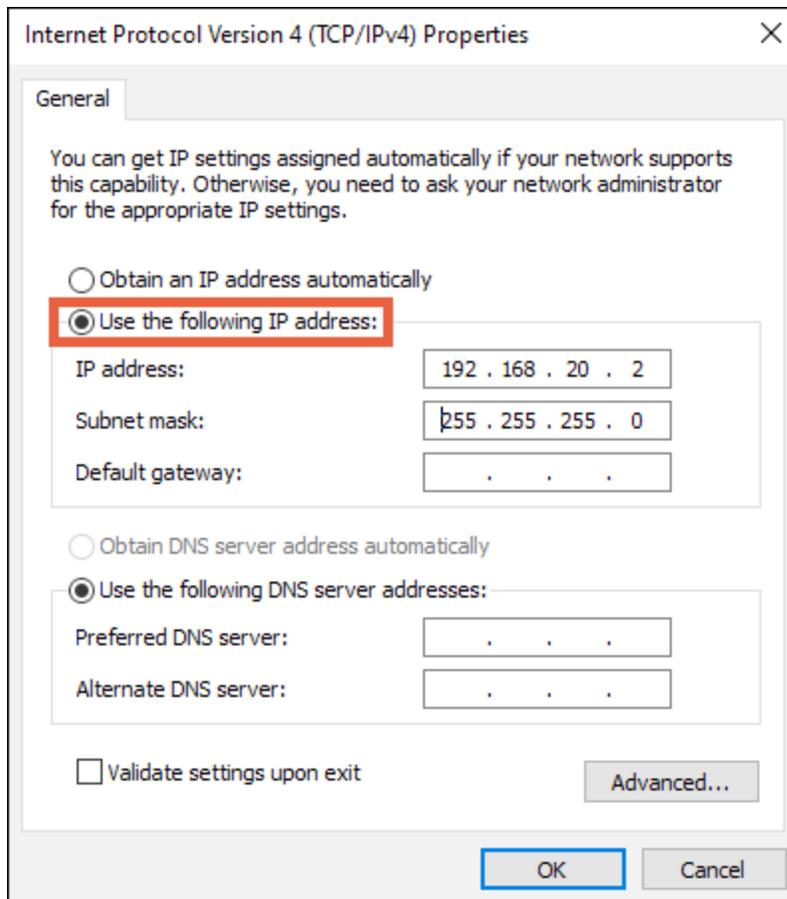


6. Select **Internet Protocol Version 4 (TCP/IPv4)**, then click **Properties**



7. In the General tab, click **Use the following IP address:** and enter the IP address and subnet mask, then click **OK**.

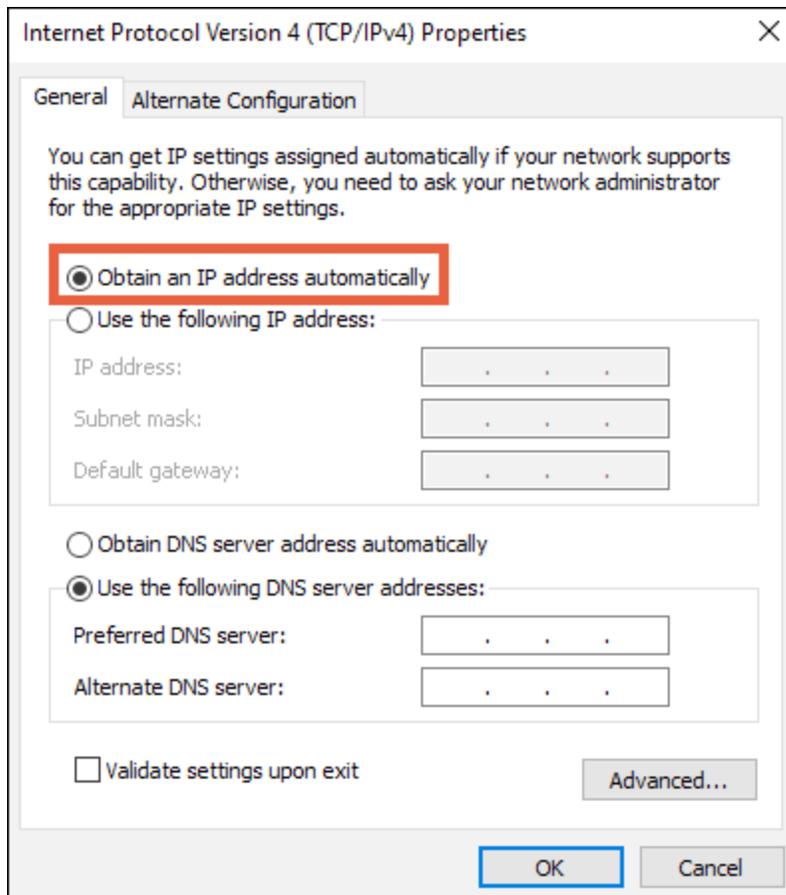
IP Address	192.168.20.2
Subnet Mask	255.255.255.0



- Open a browser and navigate to <https://192.168.20.254/>. Log in using the default credentials:

Username	araknis
Password	araknis

- After configuring the switch, set your computer's IPv4 Properties back to Obtain an IP address automatically, then click **OK**.



Specifications

	AN-620-SW-R-8- POE	AN-620-SW-R-24- POE
Ethernet ports		
2.5G RJ-45 PoE ports	8	24
10G SFP+ ports	2	2
Hardware performance		
Flash memory	NAND: 128MB NOR:32MB	NAND: 128MB NOR:32MB
SDRAM	512MB	512MB
Packet buffer	12MB	16MB
MAC address table size	16K	32K
Switching capacity	80Gbps	160Gbps
Forwarding rate	59.52Mpps	119.04Mpps
PoE features (802.3bt Type 3 PoE++)		
Max power output per port	60W	60W
Total PoE power budget	240W	720W
Enable/Disable per port	Yes	Yes
Priority setting per port	Yes	Yes
Overload protection per port	Yes	Yes
Power level Setting per port	Yes	Yes
Environmental		
Dimensions (W x H x D)	443 mm (17.44")x 300 mm (11.81")x 44 mm (1.73")	443 mm (17.44")x 300 mm (11.81")x 44 mm (1.73")
Power supply	110-240V AC,50/60HZ	110-240V AC,50/60HZ

	AN-620-SW-R-8- POE	AN-620-SW-R-24- POE
Device power consumption	33.68W	70.77W
Max power consumption	42.1W	88.47W
Operating temperature	0-50°C	0-50°C

Technical Support

For chat and telephone, visit snpl.co/techsupport • Email:

TechSupport@SnapOne.com. Visit snpl.co/tc for discussions, instructional videos, news, and more.

Warranty and Legal Notices

Find details of the product's Limited Warranty and other resources such as regulatory notices and patent and safety information, at snapone.com/legal or request a paper copy from Customer Service at **866.424.4489**.

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