



araknis NETWORKS AN-920-SW 920 Series Managed Switch User Guide

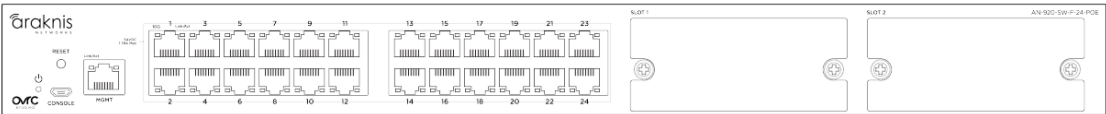
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araknis NETWORKS AN-920-SW 920 Series Managed Switch User Guide



Welcome to Araknis Networks™

Thank you for choosing an Araknis 920 series managed switch. With multi-gigabit connectivity on all network ports, updated modern aesthetics, and a managed interface, the Araknis 920 series switch is a sleek and highly capable addition to any network.



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Series overview

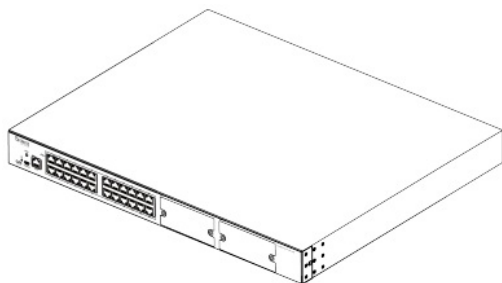
Each 920 series switch comes with a power module in the box. QSFP28 and additional power modules are sold separately.

Model	Ethernet ports	Total possible QSFP28 ports	Total possible PoE budget (Watts)
AN-920-SW-F-12-POE	12	1 with QSFP28 module (sold separately)	750 with 1 power module 1080 with 2 power modules
AN-920-SW-F-24-POE	24	2 with QSFP28 modules (sold separately)	750 with 1 power module 1650 with 2 power modules

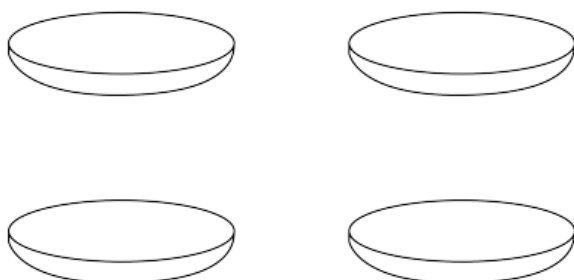
Unboxing

The package contains:

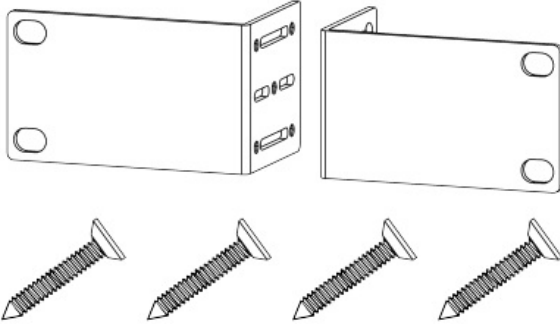
- **Switch**



- **Rubber feet for flat surfaces (4)**



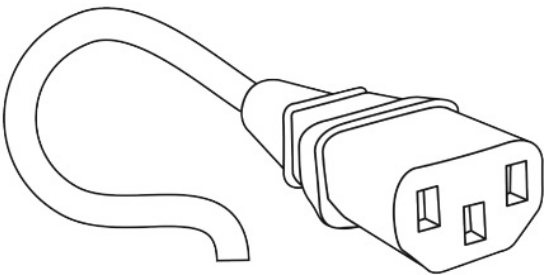
- Rack mount kit: ears (2), screws (8)



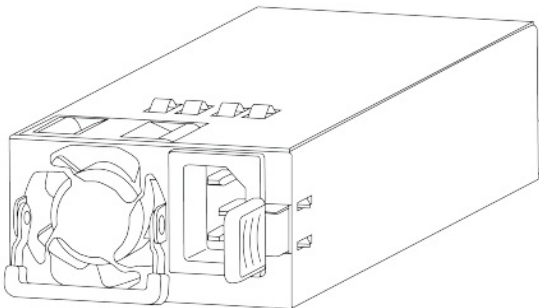
- Quick Start QR card



- AC power cord



- Power module

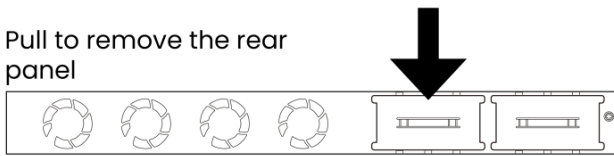


Install the modules

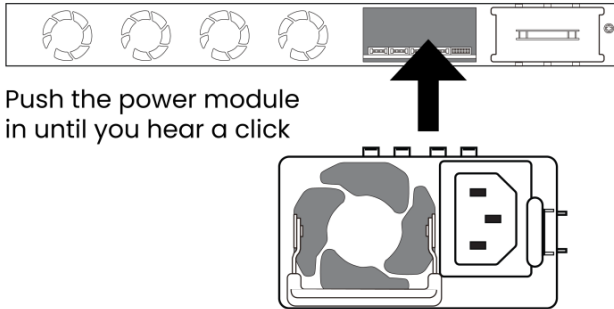
Caution: -.The switch must be powered off when installing QSFP28 modules.

Power module

Pull to remove the rear panel

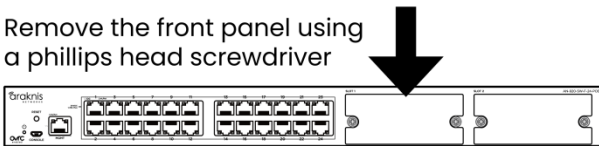


Push the power module in until you hear a click

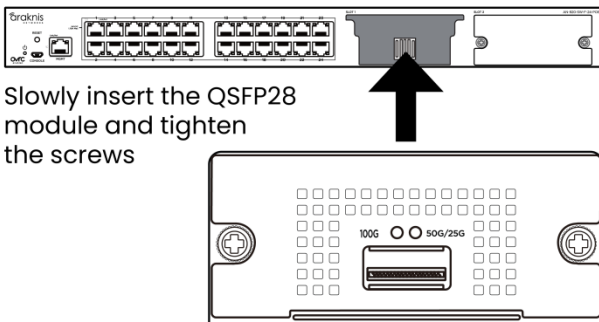


QSFP28 module

Remove the front panel using a phillips head screwdriver



Slowly insert the QSFP28 module and tighten the screws



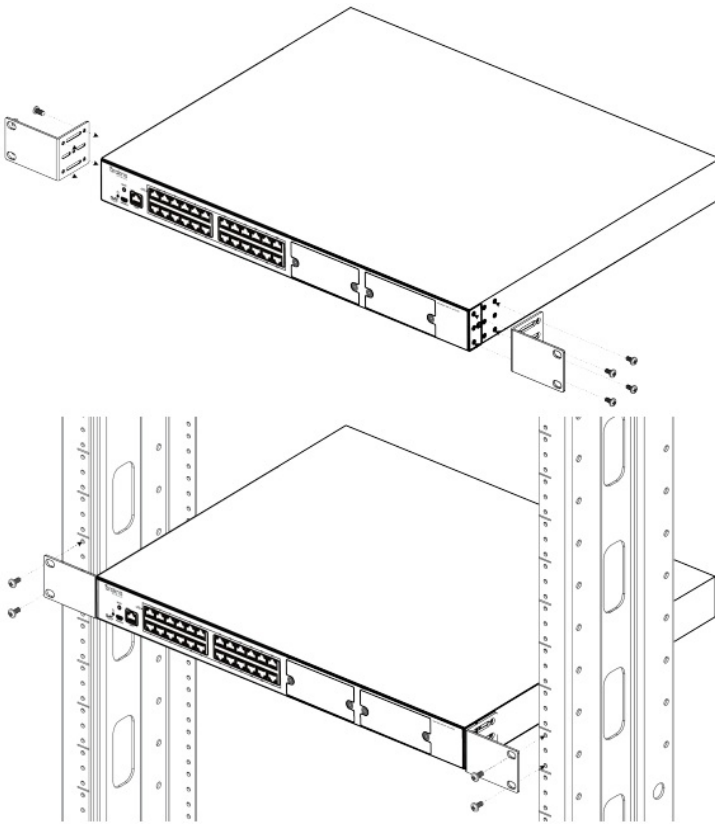
Note: - ___.To remove the power module, push the tab toward the handle and pull the module straight back.

Caution: -.Do not use a Y power cable. Sometimes called a Y splitter cable.

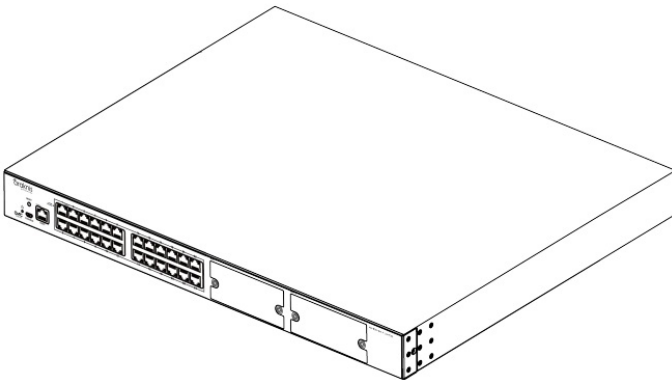
Pro Tip: - _Connect each power module to separate circuits in the same phase. Use a separate UPS for each power cable.

Installing the switch

Rack mount



Shelf mount

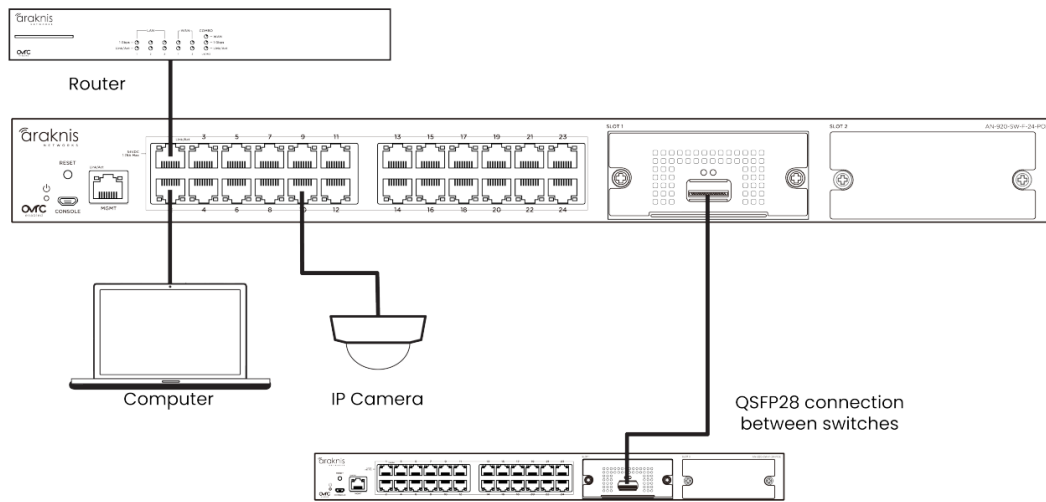


Caution: -.To avoid possible interference or damage, do not stack equipment on top of the switch.

Rack mounting guidelines

- The maximum ambient temperature of the space the switch is installed in should not exceed 122°F/50°C.
- There should be air flowing through the rack.
- Make sure 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. Read our WattBox Best Practices for more information.

Connections

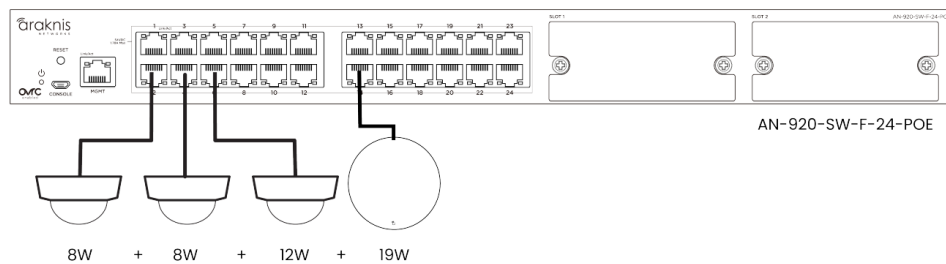


Caution: -.All router and switch connections should be on network ports. Not the management port.

QSFP28 ports

The QSFP28 (Quad Small Form-Factor Pluggable Plus) ports support up to a 100Gbps connection and are typically used to connect switches.

PoE Budgeting

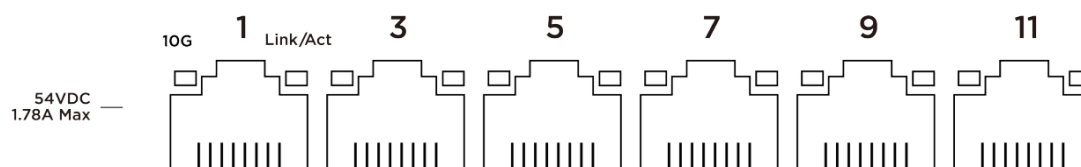


Total PoE device consumption = 47

Model	Total PoE budget (Watts)	Remaining PoE budget(Watts)
AN-920-SW-R-12-POE	750 with 1 power module	703
	1080 with 2 power modules	1033
AN-920-SW-R-24-POE	750 with 1 power module	703
	1650 with 2 power modules	1603

LED States

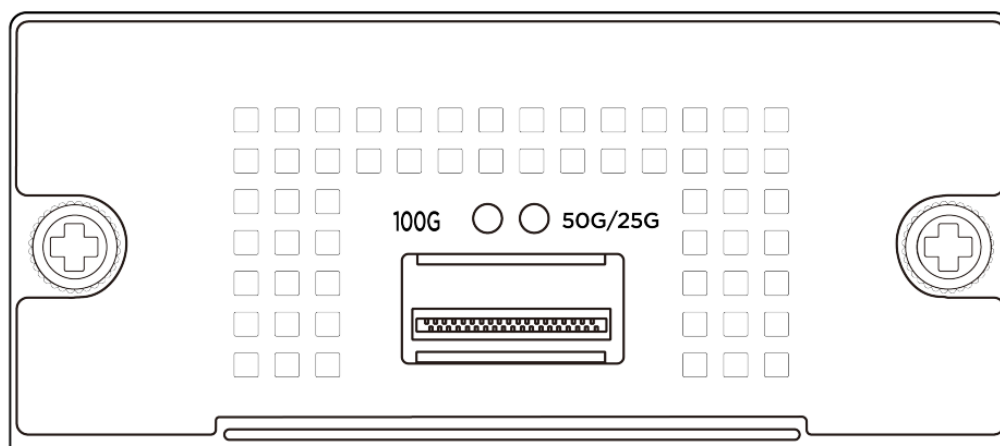
RJ45 ports



LED	LED state	Description
10G/PoE	Blinking	The port is negotiated at 10 Gbps and/or providing PoE*
	Off	The port is not negotiated at 10 Gbps and/or providing PoE*
Link/Act	Blinking	Packets are flowing through the port
	Off	The port does not detect connection or the port is disabled

*Configurable in the web interface

QSFP28 module LEDs



LED	LED state	Description
100G	Blinking	The port is negotiating at 100 Gbps and passing traffic
	Off	The port does not detect a connection or is disabled
50/25G	Blinking	The port is negotiating at 50-25 Gbps and passing traffic
	Off	The port does not detect a connection or is disabled

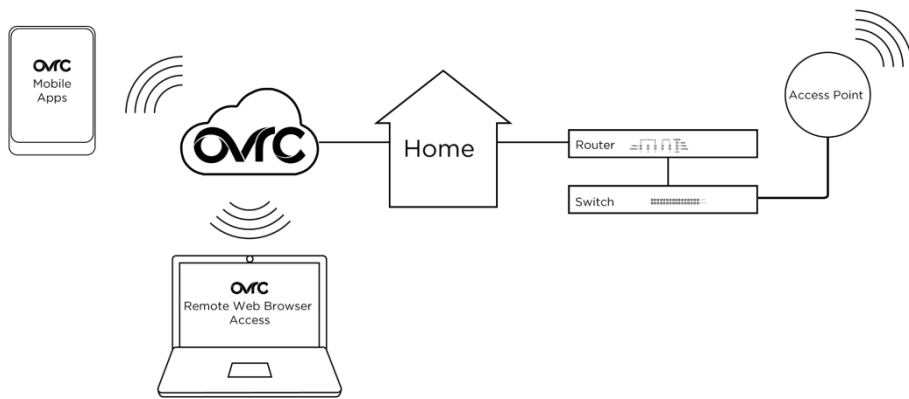
Configuration

Araknis switches can be configured through OvrC or the local interface. The local interface is accessible using OvrC's Web Connect 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 Wi-Fi management, 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:



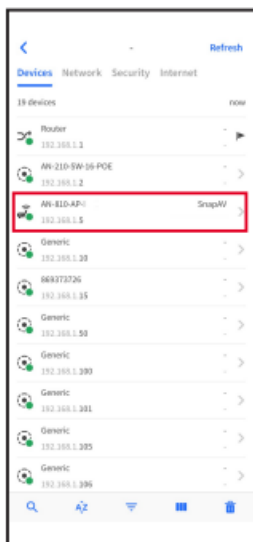
1. Connect the switch to the internet.
2. Log into OvrC (www.ovrc.com).
3. Scan the site using an OvrC Pro device or add the switch manually by entering the MAC address and Service Tag.

Logging in to the local interface

Log into the switch using the default credentials. You must update the credentials after initial login.

Username	araknis
Password	araknis

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.

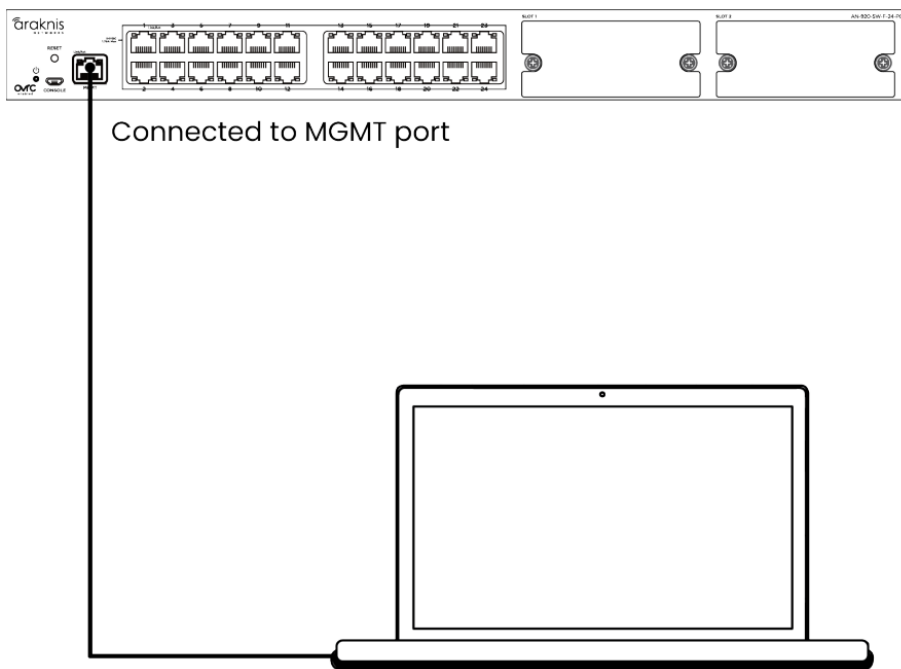
See the highlighted field in the Fing screenshot to the right for an example of an Araknis device being identified.

Accessing the switch using the default IP Address

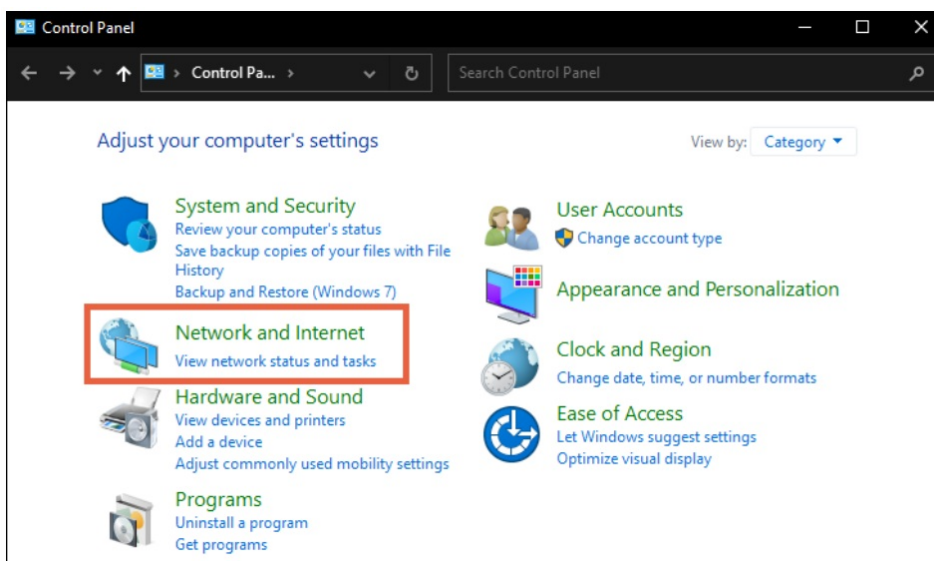
If the switch is not given an IP address on the network or needs to be accessed while not connected to a network, you can configure your computer's network connection to access the switch using the default IP address, 192.168.20.254, while connected to the MGMT port

Note: - ___.You must connect your computer to the MGMT port to connect to the switch using its default IP address.

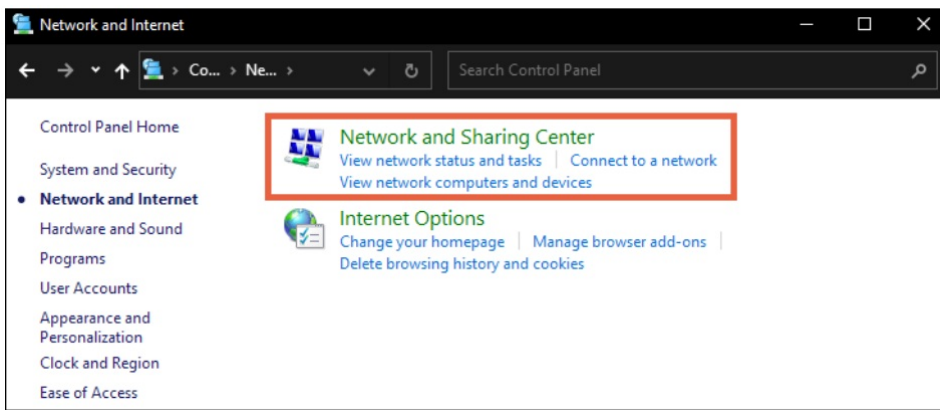
1. Connect your PC to the switch using an Ethernet cable.



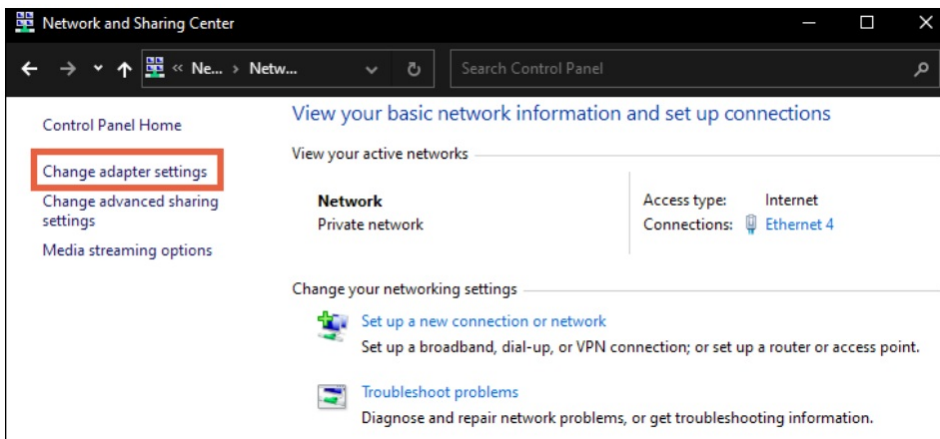
2. Open the Control Panel and click Network and Internet.



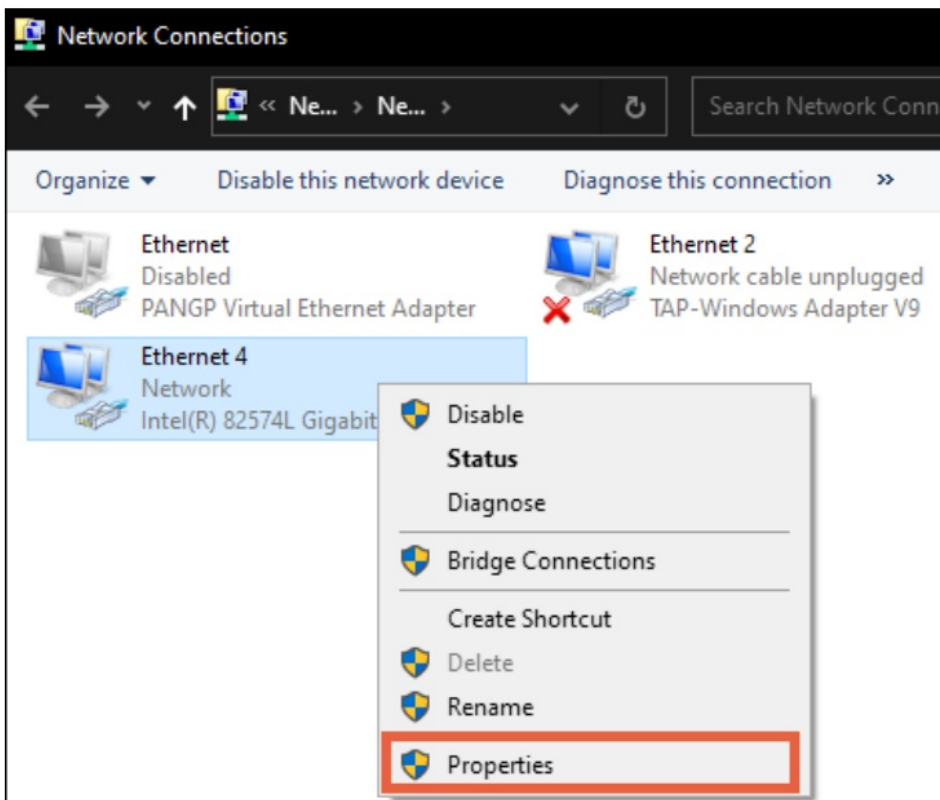
3. Click Network and Sharing Center.



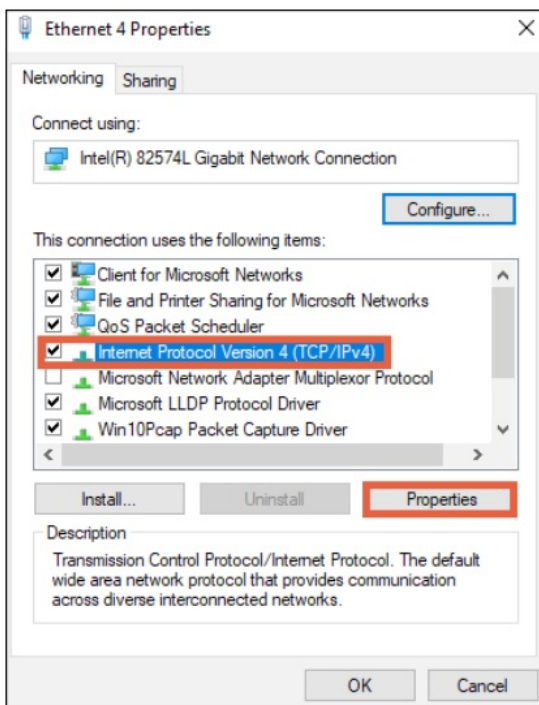
4. Click Change adapter settings.



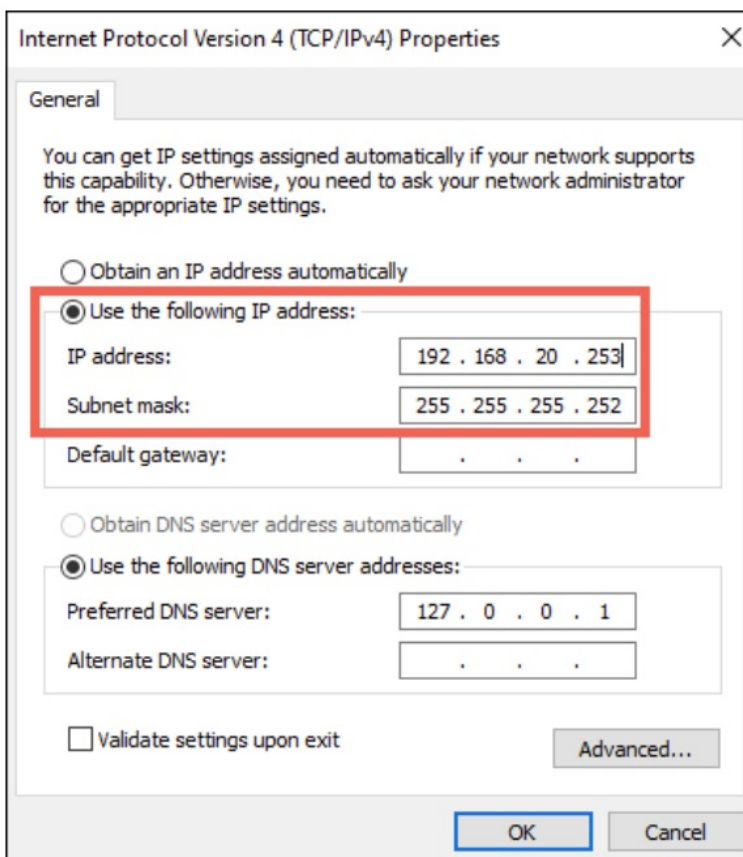
5. Right-click the icon for the wired network connection, then left-click Properties.



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.

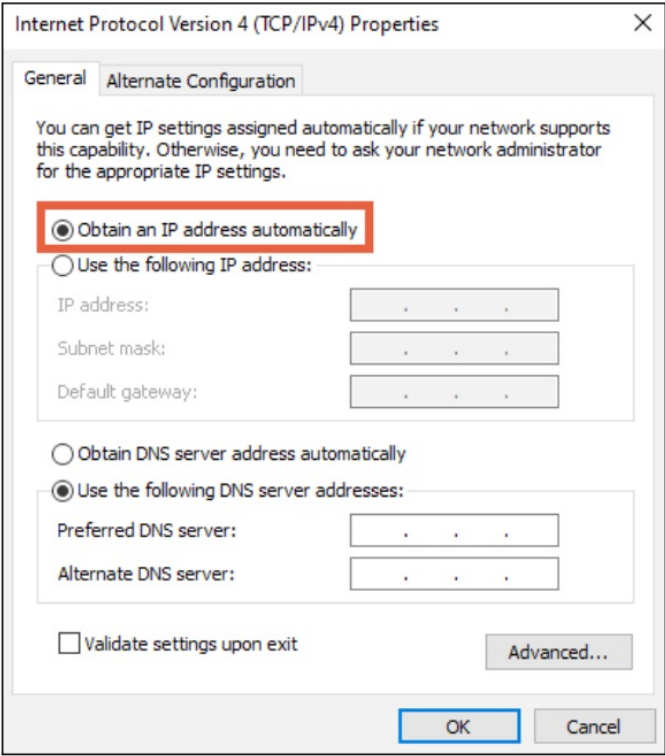


IP Address	192.168.20.253
Subnet Mask	255.255.255.252

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

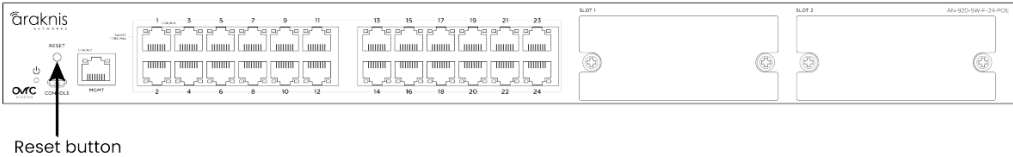
Username	araknis
Password	araknis

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



Reset Procedures

The reset button is on the front of the switch.



Reset button action	FrontLED State	Description
Hold for 1-9 seconds	Blinkingslowly	Restarts theswitch
Hold for 10-19 seconds	Blinking moderate ly	Resets the login cr edentailsto default s
Hold for more than 20 seconds	Blinking rapidly	Resets the switch to factorydefaults

Technical Support

For chat and telephone, visit snap1.co/techsupport
Email: TechSupport@SnapOne.com. Visit snap1.co/tc for discussions, instructional videos, news, and more.

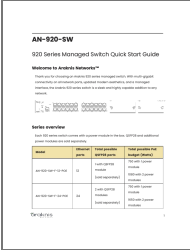
Warranty and Legal Notices

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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Documents / Resources



AN-920-SW
920 Series Managed Switch Quick Start Guide

Welcome to Araknis Networks!

Thank you for choosing an Araknis Networks switch. This quick start guide provides essential information to get your switch up and running. Please read this guide carefully before installing the switch.

Series Overview








Model	Ports	Features	Power Options
AN-920-SW-16-40	16	40Gbps SFP, 40Gbps SFP+, 40Gbps SFP++	100W PoE, 100W PoE+
AN-920-SW-24-40	24	40Gbps SFP, 40Gbps SFP+, 40Gbps SFP++	100W PoE, 100W PoE+
AN-920-SW-32-40	32	40Gbps SFP, 40Gbps SFP+, 40Gbps SFP++	100W PoE, 100W PoE+

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AN-920-SW 920 Series Managed Switch, AN-920-SW, 920 Series Managed Switch, Series Managed Switch, Managed Switch, Switch

References

-  [OvrC](#)
-  [ctrl4.co/techsupport](#)
-  [Policies](#)
-  [snp1.co/tc](#)
-  [snp1.co/techsupport](#)
-  [snp1.co/wb-bp](#)
-  [OvrC Cloud Management for Residential & IT Integrators](#)
- [User Manual](#)

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