

V1.0

INTRODUCTION

The Pulse-Eight OneIP transceiver is an ultra-low latency, AV-over-IP solution capable of distributing UltraHD 4K HDMI 2.0 video (18Gbps), with support for HDR, over a 1Gbps Ethernet network.

The following is a step-by-step tutorial for configuring Ubiquiti Switches for use with Pulse-Eight OneIP TRX units. Please follow the instructions below before connecting any OneIP devices to the switch.

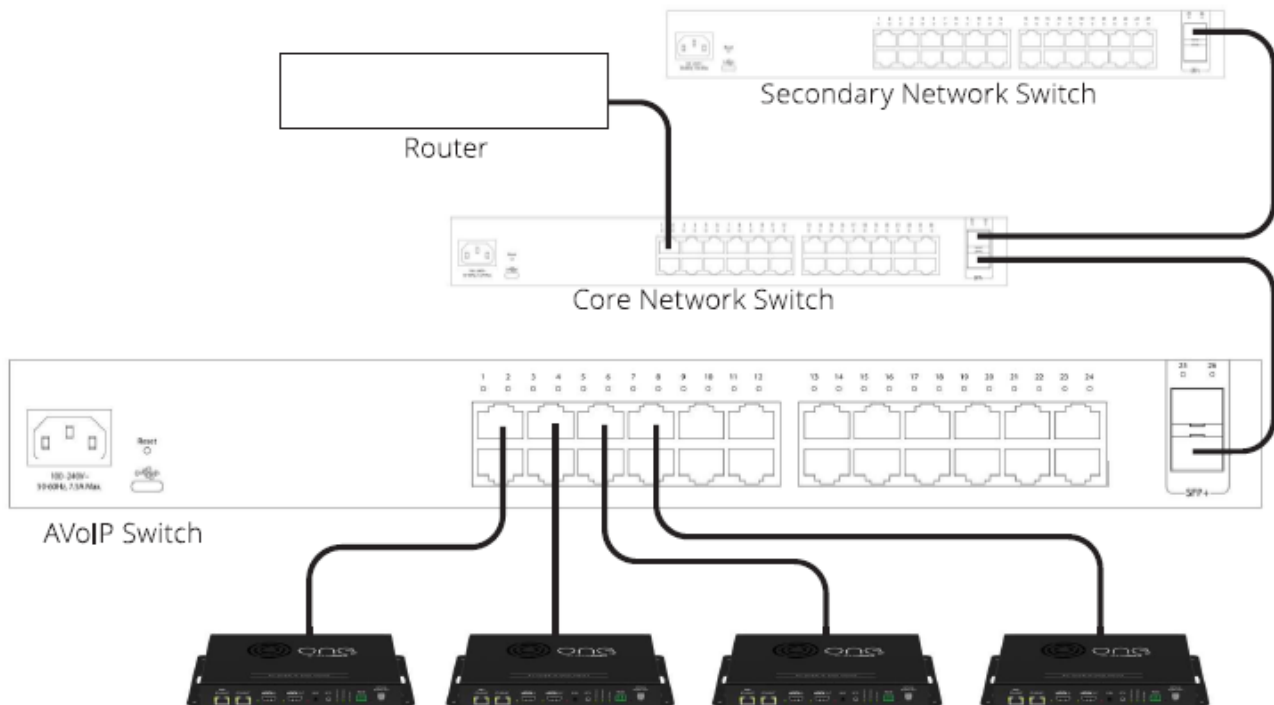


SUPPORTED PRODUCTS

- Araknis-420

IMPORTANT NOTES!

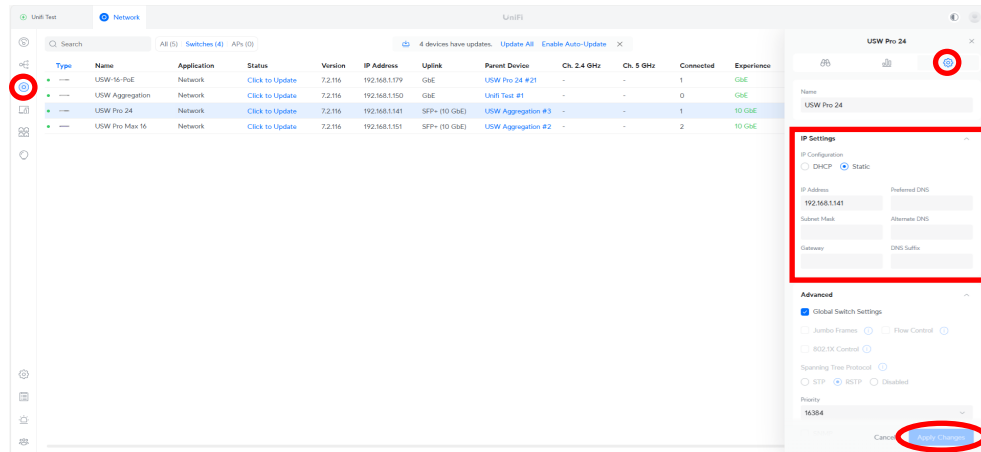
Do **NOT** connect any OneIP devices to the switch before configuration is completed, doing so may cause the switch to run slow or crash due to multicast data flooding the network.



CORE SWITCH (OR SINGLE SWITCH) CONFIGURATION

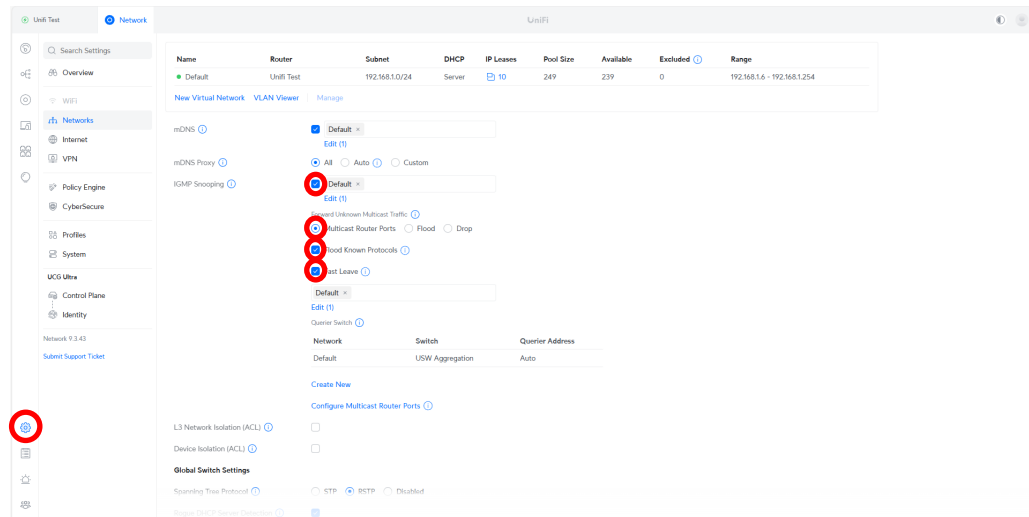
Log in to the UniFiOS web interface. The Ubiquiti UniFi Switches are set to DHCP by default; to find an IP address, you need to scan the network or check the DHCP server; if no DHCP server is available, the switch will default to 192.168.1.20

1. Login to the Web UI. This can be linked to a UniFi account or setup for a system specific username and password during initial setup.
2. Set the Switch to a static IP or DHCP from the DHCP server. This can be done by:
 - Clicking the UniFi Device Tab on the left hand side.
 - Selecting the Switch that you are setting up
 - Clicking the Settings Symbol on the top right hand side of the side bar on the right.
 - Toggling the IP Configuration to Static
 - Setting your IP Address, Subnet Mask, Gateway ID and DNS settings.
3. To save the settings, click the Apply Settings in the bottom right corner of the screen. The switch will now apply the new IP settings and be on the static or reserved IP Address.



4. Setup IGMP Snooping Settings. To do this:

- Click the settings symbol on the left hand side bar
- Select the Networks tab
- Ensure the IGMP Snooping is enabled
- Ensure Multicast Router Ports is enabled
- Ensure Flood Known Protocols is enabled
- Ensure Fast Leave is enabled.
- Click Apply Changes at the bottom of the page.



MANUAL VERSION HISTORY

TBD