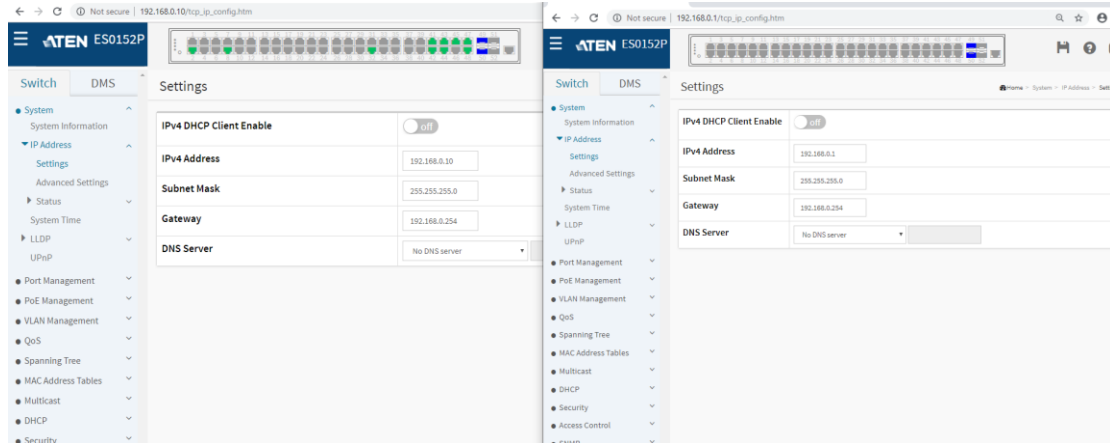
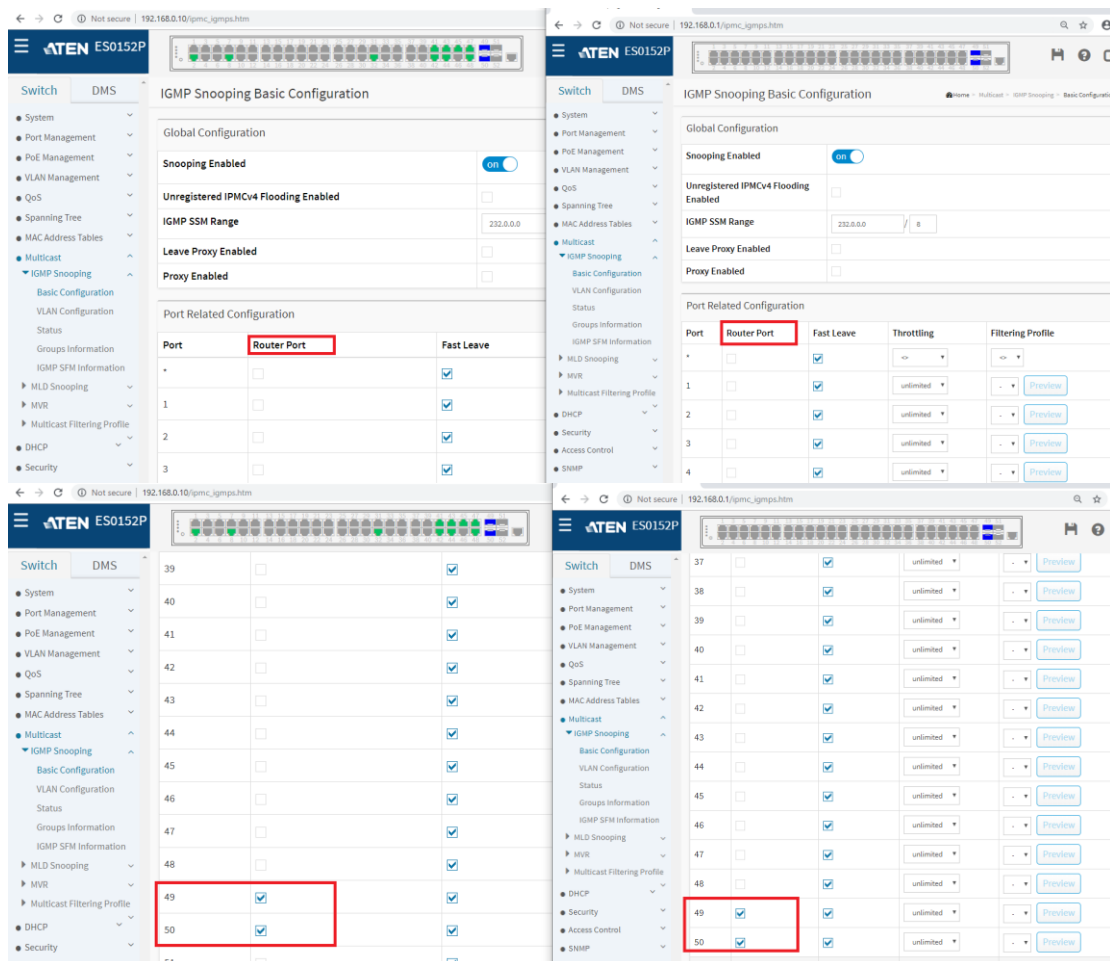


## 1. IP



## 2. Router Port:



## 3. LACP: explain LACP from Netgear

<https://kb.netgear.com/000051185/What-are-link-aggregation-and-LACP-and-how-can-I-use-them-in-my-network>

What are the benefits of link aggregation?

Link aggregation offers the following benefits:

- Increased reliability and availability. If one of the physical links in the LAG goes down, traffic is dynamically and transparently reassigned to one of the other physical links.
- Better use of physical resources. Traffic can be load-balanced across the physical links.
- Increased bandwidth. The aggregated physical links deliver higher bandwidth than each individual link.

- Cost effectiveness. A physical network upgrade can be expensive, especially if it requires new cable runs. Link aggregation increases bandwidth without requiring new equipment.

The image displays four screenshots of the ATEN ES0152P web interface, specifically the LACP Port Configuration page. The interface is divided into a left sidebar with navigation menus and a main content area with a table of port configurations.

The top-left screenshot shows the configuration for ports 1 through 11. The 'LACP Enabled' checkbox is highlighted with a red box for each port. The 'Key' column is empty for all ports.

The top-right screenshot shows the configuration for ports 1 through 12. The 'LACP Enabled' checkbox is highlighted with a red box for each port. The 'Key' column is empty for all ports. The 'Role' column is set to 'Active' for all ports. The 'Timeout' column is set to 'Fast' for all ports. The 'Prio' column is set to '32768' for all ports.

The bottom-left screenshot shows the configuration for ports 38 through 50. The 'LACP Enabled' checkbox is highlighted with a red box for ports 49 and 50. The 'Key' column is set to '3' for ports 49 and 50.

The bottom-right screenshot shows the configuration for ports 36 through 50. The 'LACP Enabled' checkbox is highlighted with a red box for ports 49 and 50. The 'Key' column is set to '3' for ports 49 and 50.