

## IPGEAR-4K

## Luxul Switch Configuration

Luxul AMS and XMS switches have been tested and confirmed to work with the IPGEAR-4K system. Please follow the steps in this guide to ensure proper system operation.

- 1. Navigate to Configuration > IPMC > IGMP Snooping > Basic Configuration.
- 2. Enable Snooping.
- 3. Disable Unregistered IPMCv4 Flooding
- 4. Enable Fast Leave on all ports.
- 5. Select the Router Port option for the uplink port.
- 6. Scroll down to the bottom of the page and select Save.

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|---|---|--------------------------------------|------------|---|--------------|
|   |   | Mr She                               | oping      | Connigui  | au           |
| een Ethernet  | ·   |                                      |            |   |              |
| ort Power Savings   |   |                                      |            | Global Configura  | tion         |
| mal Protection  | Cross   | ning Enchlad                         |            |   |              |
|   | • 5100  |                                      |            |   |              |
|   | Unre  | Unregistered IPMCv4 Flooding Enabled |            |   |              |
| escription  |   |                                      |            |   |              |
|   | ► IGM   | SSM Range                            |            | 232.0.0.0   |              |
| ty  | ► Leav  | e Proxy Enabled                      | l.         |   |              |
| gation  | •   |                                      |            |   |              |
| Protection  | Prox  | / Enabled                            |            |   |              |
| MC Profile  | •   |                                      |            |   |              |
|   |   |                                      |            |   |              |
|   | Po  | rt Rela                              | ted Co     | nfigurati   | on           |
|   | , Po  | rt Rela                              | ted Co     | nfigurati   | on           |
| P Snooping  | ; Po  | rt Rela                              | ted Co     | nfiguratio  | on           |
| Snooping<br>c Configuration   | PO  | rt Rela                              | Fast Leave | nfigurati<br>Throttling   | on           |
| 100ping<br>Configuration<br>Configuration   | , Port  | Router Port                          | Fast Leave | Throttling  | on           |
| Snooping<br>ic Configuration<br>N Configuration<br>Filtering Profile  | Port  | Router Port                          | Fast Leave | Throttling  | on           |
| Snooping<br>sic Configuration<br>NN Configuration<br>t Filtering Profile<br>Snooping  | Port<br>•<br>1  | Router Port                          | Fast Leave | Throttling  | on<br>~      |
| Snooping<br>sic Configuration<br>AN Configuration<br>t Filtering Profile<br>Snooping<br>sic Configuration                       | • Port  | rt Rela                              | Fast Leave | Throttling <-> (unlimited unlimited   | on<br>v      |
| Snooping<br>ic Configuration<br>N Configuration<br>Filtering Profile<br>snooping<br>c Configuration<br>N Configuration          | • Port<br>• 1<br>2  | rt Rela                              | Fast Leave | Throttling  | on<br>~<br>~ |
| Configuration<br>Configuration<br>iltering Profile<br>ooping<br>Configuration<br>Configuration<br>iltering Profile              | •<br>•<br>•<br>•<br>•<br>•  | rt Rela                              | Fast Leave | Throttling <-> (unlimited unlimited unlimited   | on           |
| ooping<br>Configuration<br>Configuration<br>tering Profile<br><b>ooping</b><br>Configuration<br>Configuration<br>tering Profile | Port<br>∗<br>1<br>2<br>3<br>↓<br>4  | rt Rela                              | Fast Leave | Throttling <-> unlimited unlimited unlimited unlimited unlimited unlimited  | on<br>v      |
| opping<br>onfiguration<br>infiguration<br>ring Profile<br>ping<br>infiguration<br>infiguration<br>ring Profile                  | <ul> <li>Port</li> <li>∗</li> <li>1</li> <li>2</li> <li>3</li> <li>4</li> </ul> | rt Rela                              | Fast Leave | Throttling Control of the second s | on<br>v<br>v |
| ping<br>nfiguration<br>ng Profile<br>ing<br>figuration<br>nfiguration<br>ng Profile   | Port<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓<br>↓           | rt Rela                              | Fast Leave | Throttling Control of the second s |              |



- 7. Navigate to Configuration > IPMC > IGMP Snooping > VLAN Configuration.
- 8. If a VLAN is not already present, select Add New IGMP VLAN
- 9. Enter the VLAN ID (enter 1 if you have no VLANs)
- 10. Enable Snooping.
- 11. Enter the IP address of the BG-VOP-CB in the Querier Address field.
- 12. Save Settings.

| Configuration       |           | ID Sn     |                  | AN Confi         | guration        |               |   |     |    |          |               |                |           |
|---------------------|-----------|-----------|------------------|------------------|-----------------|---------------|---|-----|----|----------|---------------|----------------|-----------|
| Quick Setup         | ·         |           | ooping vi        | AN COIL          | guration        |               |   |     |    |          |               |                |           |
| Green Ethernet      | •         |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| Port Power Savings  | Start fre | om VLAN 1 |                  | with 20          | entries per     | r page.       |   |     |    |          |               |                |           |
| Thermal Protection  |           | 100000000 |                  |                  |                 |               | _ |     |    |          |               |                |           |
| Ports               | • Delete  | VLAN ID   | Snooping Enabled | Querier Election | Querier Address | Compatibility |   | PRI | RV | QI (sec) | QRI (0.1 sec) | LLQI (0.1 sec) | URI (sec) |
| Ports               |           |           | 1                |                  |                 | 1             | _ |     |    | To a     |               |                |           |
| Port Description    |           | 1         |                  |                  | 0.0.0.0         | Forced IGMPv2 | 0 | ~   | 2  | 125      | 100           | 10             | 1         |
| DHCP                | •         |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| Security            | Add Net   | w IGMP VL | AN               |                  |                 |               |   |     |    |          |               |                |           |
| Aggregation         | •         |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| Loop Protection     | Save      | Reset     |                  |                  |                 |               |   |     |    |          |               |                |           |
| IPMC Profile        | •         |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| MVR                 |           |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| IPMC                |           |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| IGMP Snooping       | *         |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| Basic Configuration |           |           |                  |                  |                 |               |   |     |    |          |               |                |           |
| VLAN Configuration  |           |           |                  |                  |                 |               |   |     |    |          |               |                |           |
|                     |           |           |                  |                  |                 |               |   |     |    |          |               |                |           |

- 13. Navigate to Administration > Configuration > Save Startup-Config
- 14. Select Save Configuration.

| Administration        |   |
|-----------------------|---|
| Reboot                |   |
| Factory Defaults      |   |
| Firmware Update       |   |
| Firmware Image Select |   |
| Configuration         | • |
| Save startup-config   |   |
| Download              |   |
| Upload                |   |
| Activate              |   |
| Delete                |   |

## Save Running Configuration to startup-config

Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration.

Save Configuration