When ATEN KVM Over IP Extender (KE Series) deploys on DLink Switch

General Requirement on Network Switch:

We recommend 1000Mbps L2/L3 Gigabit Ethernet switches (wire speeds, non-blocking with 1Gbps/1.5Mpps performance per port) for KE/VE Series devices installed on different LAN segments. 10/100Mbps switches are not recommend, for it might cause poor performance.

Switch Specifications

The following specifications are recommended when choosing a layer 2 or layer 3 switches:

- 1000Mbps Gigabit Ethernet switches (1000Mbps or faster Ethernet ports)
- High bandwidth between switches, if possible using Fibre Channel
- Layer 3 switches that efficiently processes IGMP queries
- IGMP Snooping v2 or v3
- Flow Control Functions
- Throughput of: Full Duplex, 1Gbps up- and down- stream speeds per port
- Performance of their most onerous tasks (e.g. IGMP snooping) with multiple dedicated processors (ASICS)
- Use the same switch make and model throughout each subnet
- The maximum number of simultaneous 'snoopable groups' the switch can handle meets or exceeds the number of KE transmitters that will be used to create Channel groups
- In multi point configurations, the IGMP and Flow Control function of your network switches must be enabled to avoid the deterioration of data throughput.
- To ensure functionality, using a L2/L3 network switch which supports IGMP queries is necessary.

Many of our customers deploy ATEN KE Series on DLink switches. We enlist DLink DGS-1510 configuration suitable for KE series here for your reference:

Jumbo Frame setting:

System→ Port Configuration→Jumbo Frame→9216 (Please note Jumbo frame is no need to set for KE.)

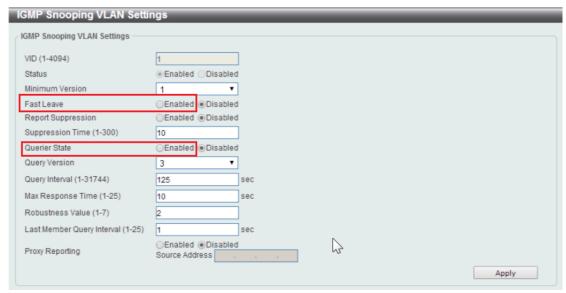


IGMP Snooping:

L2 Features→L2 Multicast Control→IGMP Snooping→IGMP Snooping Settings→Global Status→Enabled

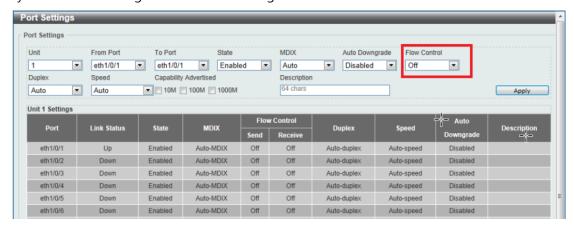


Enable Fast leave and IGMP Querier:



Flow Control:

System \rightarrow Port Configuration \rightarrow Port Settings \rightarrow Flow Control \rightarrow ON



Multicast Filtering:

L2 Features→L2 Multicast Control→Multicast Filtering

