

Below is a list of switch requirements and recommendations for our EVO-IP HDMI over IP system. We are always working with and testing other brands of switches and will continue to update this list. If you have any switch questions or recommendations, do not hesitate to reach out and we will follow up and fill you in with any changes or test results.

## 720P/1080P Static System (1 to 63 sources going to specific displays)

This Type of System utilizes EVO-IP's "IP-LESS" HDMI over IP setup with dip switches. Simply set the dip switch on the transmitter and any receiver with the SAME dip switch configuration will get the signal. These types of systems without any switching, video walls, on-screen displays, or cloud connection do not require an EVOIPCTL1 control box.

### Minimum Switch Requirements:

Basic Managed/Smart Switch

With or Without POE based on preference

### Switch Recommendations:

Trendnet

- Any EdgeSmart, Websmart or L2 Managed

Luxul

- Any AGS, AMS, XFS, or XMS Switch (except XMS-1010P)

Cisco

- SG250, SG300, SG350X, SG500, SG550X

NOTE: If you wish to change any EDID or Scaling options to account for different types of displays, a Control Box would be needed for setup.

## 1080P/4K System with Video matrix switching, video walls, on-screen displays and cloud connectivity

For a more elaborate system design that can incorporate up to 5 4K-sources, and has video wall enabling/disabling, on-screen display pictures or messages, and takes advantage of connecting to the cloud with Alexa voice control, scheduling or remote monitoring of the system, a more complex switch would need to be required for the job and an EVOIPCTL1 control box would be required as well.

### Minimum Switch Requirements:

1G Switch (dedicated for larger systems)

Multicast/Multilayer (2 or More)

Jumbo Frames

IGMP Snooping

With or without POE based on preference

Stackable (if system is too large for a single switch)

## Switch Recommendations:

### Trendnet

- Any Websmart or TL2 Managed

### Luxul

- Any AMS, XMS Switch (except XMS-1010P)

### Cisco

- SG250, SG300, SG350X, SG500, SG550X

NOTE: When using a dedicated switch for the system, you only need to make sure IGMP Snooping and Jumbo Frames (9000 bytes) is enabled. This may need to be done for the switch or per port depending on the switch. IF the switch is not dedicated, it is recommended to create a VLAN using the ports involved in the EVO-IP system for best results.

## 4K System with Video Walls, Matrix Switching and Cloud capabilities - 6 or more 4K sources

Maintaining bandwidth is critical when it comes to 4K. With systems that have 6 or more 4K sources being routed in matrix mode or being implemented in video walls or having images overlaid in OSD mode, a bigger switch is needed for the job. As with any EVOIP installation, an EVOIPCTL1 control box is needed as well when switching, enabling/disabling video walls and on-screen displays, and cloud connectivity.

### Minimum Switch Requirements

10G Switch (dedicated) for 6 or more 4K sources

Multicast/Multilayer (2 or More)

Jumbo Frames

IGMP Snooping

With or without POE based on preference

Stackable (if system is too large for a single switch)

### Switch Recommendations

#### Cisco

- SG300, SG350X, SG500, SG550X