

VIDEO WALL VIDEO PROCESSORS MULTIVIEWERS DIGITAL SIGNAGE EXTENDERS CONTROL CENTERS SCALERS WIRELESS



HDM-C6VWIP-SET

Videowall Matrix IP Extender with Audio, IR RS232 and KVM



HDM-C6VWIP-SET HP SWITCH CONFIGURATION GUIDE

HDM-C6VWIP-SET Compatible switch configuration on Existing Network

What is Multicast Video?

Multicast video manages large number of recipients (Rx) from a replicated transmission which makes a tremendous difference in network load, even in a simple network with a small number of router and switch hops.

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Additional features of multicast are beneficial in specific applications such as IP Encoder/Decoders. Multicast transmissions are delivered nearly simultaneously to all members of the recipient group.

What is IGMP?

IGMP is a network layer (Layer 3) protocol used to establish membership in a Multicast group and can register a router to receive specific Multicast traffic. Without IGMP Querying/Snooping, Multicast traffic is treated in the same manner as a Broadcast transmission, which forwards packets to all ports on the network. With IGMP Querying/Snooping, Multicast traffic is only forwarded to ports that are members of that Multicast group. IGMP Snooping generates no additional network traffic, which significantly reduces the Multicast traffic passing through your switch.

HP SWITCH CONFIGURATION STEPS

I. Go to Network ---> IGMP Snooping ---> set IGMP Snooping to Enable. Click Apply.

In the same screen press the icon under the **Operation** table heading to navigate to the **VLAN Configuration** screen.

Network > IGMP Snooping									Save Help
HP	Basic	Advanced							
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LACP									
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ARP Management									
ARP Anti-Attack									
IGMP Snooping									
MLD Snooping									
IPv4 Routing									
IPv6 Routing									
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Avenview, 151 Esna Park Drive, Unit 11 & 12 Markham, Ontario, L3R 3B1 Phone: 1.905.907.0525 Fax: 1.866.387.8764 www.avenview.com 2. Click on Basic Tab ---> Set both IGMP Snooping and Querier to Enable ---> Enable. Click Apply.

(IP)	Web M	anagem	ent Platform	
Network > IGMP Snooping				Save Help Logou
HP	 Basic Advanced 			
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Stack	VLAN Configuration			
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Device	Version:	® Enable	O 3	
Network	Drop Unknown:	O Enable	Oisable	
VLAN	Querier:	Enable	O Disable	
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Voice VLAN	General Query Source Addre	ISS: 0.0.0.0	*IP address (Default = 0.0.0.0)	
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ARP Management				
ARP Anti-Attack				
IGMP Snooping				
MLD Snooping				
IPv4 Routing				
IPv6 Routing				
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3. Click on Advanced tab ---> select the port of any devices that do not have the HDM-C6VWIP-S/R components connected such as Wi-Fi access points, PC's or third party control systems. For each of these ports set Fast Leave to Enable and click Apply.

	Web N	/lanagement Pla	atform					
Network > IGMP Snooping					Save Help			
VLAN	Basic Advance	a -						
VLAN Interface	-							
Voice VLAN	Port Configuration	(
MAC	Port	GigabitEthernet1/0/1	•					
MSTP	VLANID: 1 1(1-4094, example: 3,5-10) Up to 10 VLAN ranges can be specified.							
Link Aggregation	Multicast Group Limit: 1 (1-256, Default = 256)							
LACP	FastLeave:	Enable Disal	ble					
LLDP	Items marked with an aste	itisk(*) are required						
ARP Management			Apply					
ARP Anti-Attack	8.	VLANID	Search Advanced Search					
IGMP Snooping	-	10110						
MLD Snooping	1	/LAN ID	Multicast Group Limit	FastLeave	Operation			
IPv4 Routing				chaveo				
IPv6 Routing			Refresh					
IPv6 Management								
DHCP								
Service								
Diagnostic Tools								
Authentication								
Convibu								

4. SAVE changed settings. Unsaved changes will be lost when the switch is power cycled. Once the configuration is saved. power down the switch and connect all the HDM-C6VWIP-SET Tx & Rx devices.

The **Avenview CTRLPRO-VWIP**, IP Controller simply provides communication to our HDM-C6VWIP-SET and third party controllers to communicate, Telnet and RS-232 commands to automate high definition video and high quality audio to many screens. This device can be accessed from a WEB Browser and allow control commands to Avenview Video IP solution

