



26-port Gigabit Managed Switch VS-G5426

ACL, 802.1x, IP Source Guard, SSL/HTTPS provides reliable security strategy
IP Clustering supports Virtual Stack
Granular QoS options optimize voice and video application
SNMP, RMON, WEB/CLI/Telnet

Description:

Reliable Security Strategy

Access Control Lists (ACLs) will restrict access to sensitive network resources by denying packets based on source and destination MAC addresses, IP addresses, TCP/UDP ports. This is done by hardware, so switching performance is not compromised.

IP Clustering

With IP Clustering VS-G5426 allows a set of switches to be managed by a single IP, regardless of geographical locations. Traffic running across units in this virtual stack utilize standard network cabling eliminating costly and cumbersome cables and minimizing the impact of any single point of failure

Optimized Voice and Video Applications

Integrating voice, data and video on the same network is common business practice and the VS-G5426 from Fiberdyne Labs is the perfect edge solution for this environment.

802.1p and DSCP QoS standards are supported. Traffic can be classified by MAC, IP or TCP/UDP port ensuring the highest quality for voice and video applications. Per port rate limiting can be used to prevent lower priority traffic from consuming too much bandwidth.

System Management

VS-G5426 supports SNMP v1/v2/v3, so traps can be set on abnormal events and MIB information can be gathered to maximize network performance and availability. Other standard management features include RMON, Web-based graphical interface and CLI.

Features:

Gigabit Switch with Combo SFP Ports and Dual Uplinks

+ 24 10/100/1000 Base-T ports, 4 Combo SFP Slots, Plus 2 10/100/1000 Uplink Ports

Security:

- + SSL/HTTPS
- + RADIUS/TACACS+
- + L2/3/4 Access Control List
- + Private VLANs
- + IP Source Guard
- + DHCP Snooping

Network Management:

- + SNMPv1/v2c/v3 Support
- + RMON
- + Web GUI or CLI
- + Port Mirroring
- + IP Assignment

Advanced Enterprise Features:

- + IP Clustering Stackable
- + Dual Firmware Images
- + L2/L3/L4 QoS
- + 802.1x
- + 802.1Q VLANs
- + Multicast Filtering: IGMP Snooping and MVR
- + 802.3ad Link Aggregation
- + 802.1w Rapid Spanning Tree
- + 802.1s Multiple Spanning group

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Specifications:

Product specifications

<i>VS-G5426</i>	<i>26-port Gigabit Managed Switch</i>
<i>MAC Address Table</i>	<i>8K</i>
<i>Switching Capability</i>	<i>52Gbps</i>
<i>Buffer Size</i>	<i>4Mb</i>
<i>SDRAM</i>	<i>64MB</i>
<i>FLASH</i>	<i>16MB</i>
<i>Port Configuration</i>	<i>24 10/100/1000 Base-T Ports</i>
	<i>4 Combo SFP Ports</i>
	<i>2 10/100/1000Base-T Uplinks Ports</i>
	<i>1 Male DB9 RS-232C Console Port</i>
<i>Cable Type</i>	<i>UTP CAT 5e or Better for 1000BASE-T</i>
	<i>RS-232 DB9 Male Console Cord</i>

Network Protocols and Standards

<i>IEEE</i>	<i>IEEE 802.3 10BASE-T</i>
	<i>IEEE 802.3u 100BASE-TX and 100BASE-FX</i>
	<i>IEEE 802.3ad Provide Link Aggregation</i>
	<i>IEEE 802.3x Flow Control Support</i>
	<i>IEEE 802.1D Spanning Tree Bridge</i>
	<i>IEEE 802.1s Multiple Spanning Tree</i>
	<i>IEEE 802.1w Rapid Spanning Tree</i>
	<i>IEEE 802.1Q (Virtual LAN)</i>
<i>IE TF</i>	<i>IEEE 802.1x, Port-based Network Access Control</i>
	<i>RFC 1517 for Network Management Applications (SNMP)</i>
	<i>RFC 1215 for Traps</i>
	<i>RFC 1757 for RMON</i>

Security

<i>User Password Protected System Management Terminal</i>	<i>SNMP, Telnet, Web</i>
<i>IP Security</i>	<i>Support DHCP Snooping, IP Source Guard</i>
<i>Access Control List</i>	<i>L2/L3/L4 ACL, size: 96MAC, 96IPv4</i>
<i>Static Port Security</i>	<i>MAC based port security</i>
<i>Remote access security</i>	<i>Supports SSH v2, HTTPS/SSL</i>
<i>IEEE 802.1x</i>	<i>RADIUS and TACACS+ Authentication (Port-based)</i>
<i>MAC-based Filtering</i>	<i>1k</i>

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Management and Maintenance	
<i>In and out of band management</i>	<i>Telnet, Web-based HTTP, SNMP v1 v2c v3, Port Mirroring, RMON (group 1-3, 9), HTTPS SSL, SSH v2 CLI, Xmodem</i>
<i>IP Clustering</i>	<i>Allows Up To 32 Units To Be Managed From A Single IP Address</i>
<i>Support TFTP Management</i>	<i>Dual Firmware Images Supports Two Or More Configuration Files</i>
<i>IP Assignment</i>	<i>Static IP Assignment BOOTP and DHCP For IP Address Assignment</i>
<i>MIBs</i>	<i>MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 2665), Bridge MIB Extensions (RFC 2764), RMON MIB (RFC 1757), RFC 2737, RFC 2742, RFC 2021, RFC 2863, RFC 2618</i>
Quality of Service	
<i>Priority</i>	<i>4 Priority Queues Per Port</i>
<i>Priority Queue Scheduling</i>	<i>Strict Priority, WRR</i>
<i>L2/L3/L4 Trac</i>	<i>IEEE 802.1p (COS)</i>
<i>Classification/Priority</i>	<i>DSCP/TOS</i>
<i>Management</i>	<i>TCP/UDP Port Number</i>
<i>Bandwidth Management</i>	<i>Per Port, from 1Mbps to 1Gbps, granularity: 1Mbps</i>
Switching Features	
<i>Flow Control</i>	<i>IEEE 802.3x For Full Duplex Mode Back Pressure Flow Control Half Duplex Mode</i>
<i>Spanning Tree</i>	<i>IEEE 802.1D Spanning Tree IEEE 802.1s Multiple Spanning Tree IEEE 802.1w Rapid Spanning Tree</i>
<i>Storm Control</i>	<i>Broadcast/Multicast</i>
<i>VLAN</i>	<i>IEEE 802.1Q VLAN 255 VLAN groups Port-based VLAN Supports 256 Active VLAN Support GVRP 802.1v (Protocol based Vlans) Support QinQ Support Private VLAN Edge</i>
<i>Multicast Filtering</i>	<i>IGMP Snooping V1/V2 Multicast VLAN Registration</i>
<i>Jumbo Frame</i>	<i>9K</i>
<i>Link Aggregation</i>	<i>Support IEEE 802.3ad Manual Trunk Multi-Link Trunk (LACP) Up To 8 Aggregation Groups Are Supported, and Up To 8 Ports Per Group</i>



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Electrical & Emissions Summary

<i>Compliance</i>	<i>CE Mark; FCC Class A</i>
<i>Power</i>	<i>100-240VAC 50-60 Hz 1.5A</i>
	<i>Consumption 38W.</i>
<i>Safety</i>	<i>CSA / CUS (CSA 22.2 NO 60950-1 & UL60950-1)</i>
	<i>UL / CUL (UL 60950-1, CSA 22.2 NO 60950-1)</i>
	<i>CB (IEC 60950-1)</i>

Physical Specifications

<i>Dimensions (W x D x H)</i>	<i>17.32*9.06*1.73in.(440*230*44 mm)</i>
<i>Temperature</i>	<i>Operating 0°C ~ 40°C (32°F ~ 104°F)</i>
	<i>Storage -40°C ~ 70°C (-40°F ~ 158°F)</i>
<i>Humidity</i>	<i>Operating 10% ~ 90% Non-Condensing</i>
	<i>Storage 5% to 90% RH, Non-Condensing</i>



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