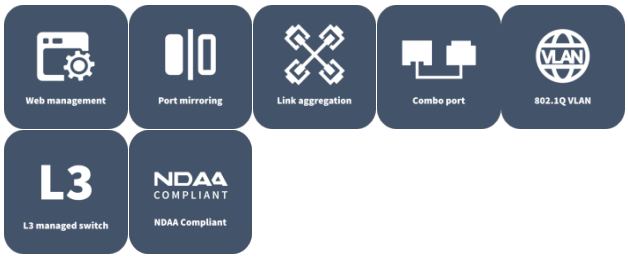
Managed Ethernet Switch

NSW5610-16GP8GC4XP-IN



Overview

5610 series Ethernet switches are a new generation of high-performance Ethernet switching products launched by UNV. This series of products adopts UNV's leading high-performance hardware architecture, with high-performance business processing capabilities, flexible Gigabit interfaces and 10-Gigabit interfaces, and It can be deployed in scenarios such as multi-service aggregation in the campus, core of small and medium enterprises, and server access in data centers, providing a full range of secure, stable, and reliable high-performance L2/L3 layer switching services from chips to hardware to software.

Features

- IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow control;
- Panel indicators monitor working status and assist in fault analysis;
- Support for dynamic routing protocols;
- Highly reliable design, supporting traditional STP/MSTP/RSTP 2-layer link protection technology;
- Support static convergence and dynamic convergence (LACP) 2 convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and at the same time can achieve load balancing, link backup;
- Flexible and convenient management and maintenance Supports various management modes, such as Console, Telnet, and SSH;
- Support WEB management, simple and efficient, convenient for installation and debugging of engineering and maintenance personnel;

Specifications

Model	NSW5610-16GP8GC4XP-IN
Hardware Specification	
Jumbo Frame	12K
Operating Temperature	0°C to 40°C
Power Supply	100~240V AC, 50/60Hz
Max.Power	90W
Operating Humidity	10% to 90% (noncondensing)
Storage Temperature	-40°C to 70°C
Storage Humidity	5% to 90% (noncondensing)
Ports Type	16*1000Mbps SFP Ports 8*1000Mbps Combo Ports 4* 10Gbps SFP+ Slots 1*Console Port
Switching capacity	128Gbps
Forwarding performance	95.23Mpps
Packet Buffer	16M bits
Dimensions (W×D×H)	440*260*44mm
Software Specification	
MAC	16K, Auto-learning, Auto-aging
Ethernet	Support MRPP,ULPP, ULSM, port mirror. Support Link Aggregation, LLDP, port config
VLAN	VLAN(802.1Q 4K) Access/Trunk/Hybrid Private VLAN VLAN Filter MAC-based VLAN Protocol-based VLAN IP Subnet-based VLAN Voice VLAN GVRP/GMRP QinQ/Selective-QinQ/Flexible QinQ VLAN Translation/N:1 VLAN Translation Guest VLAN
ARP	Static ARP ARP Scanning Prevention ARP Spoofing Prevention ARP Guard Gratuitous ARP Dynamic ARP Inspection ARP Quantity Control
IP Route	Static Route(IPV4/IPV6)

	Route Aggregation, RIP v1/v2/RIPng, OSPF v2/v3, BGP4/BGP6, IPv4/IPv6 VRRP, IPv4/IPv6 PIM, Stacking VSF
Maintenance	Console/Telnet/SSH Http/Https, SSL/TLS FTP/TFTP Syslog SNMP(v1/v2c/v3) , SNMP Trap RMON SNTP/NTP CPU protect Software/Hardware watchdog Firmware Upgrade/Backup Ping/Traceroute
Security	802.1x: Port Based Authentication, Support EAPoR, MAC based Authentication, Guest VLAN. MAB: Based on Port Authentication, Based on MAC Authentication. MAC Address Count limit: Based on Port, Based on VLAN. IP Address Count Limit: Based on Port, Based on VLAN. Access Management: Based on source mac and IP address. Deny DoS Attack: TCP Flag, TCP Flagment, IP Segment, ICMP. TACACS+: Standard Support. Radius: Standard Support, Client, Support MD5. SSL: Openssl 1.1.0.
QoS	Support SP, WRR, WDRR queue scheduling. Support Trust COS/DSCP, Trust Port. Support Based on VLAN, Based on COS/DSCP, Aggregate Policy-Map, Ingress Policy-Map. Policing: CAR Stream Shaping(leak algorithm),

	Ingress Policing. Rewrite: COS/802.1p Priority, IP Precedence, IPv4 DSCP/IPv6 DSCP, drop-precedence, internal-priority, Ingress/Egress Rewrite. Queuing: DSCP to DSCP mapping, DSCP to DP mapping, DSCP to Queue mapping, COS to DP mapping, COS to Queue mapping.
ACL	IP-ACL: SIP/DIP, IP Protocol, IP Priority(DSCP,TOS, Precedence), TCP,UDP src,dst Port. MAC-ACL: SRC/DST MAC, VLAN, COS, Tag/Untag. IP-MAC ACL: MAC-ACL and IP-ACL. User-defined ACL: Base on user defined profile. ACL Features: Based on time period ACL, ACL on VLAN, Based on ACL Stream.
Reliability	Support Loopback Detection, ERPS, STP/RSTP/MSTP, MSTP Support 64 instance, BPDU Guard/Root, Guard/BPDU Tunnel
DHCP	DHCP Client/BOOTP, DHCP Relay, DHCP Snooping, DHCP Option 82/43/60/61/67, DHCP Server, DHCPv6 Server
Multicast	Multicast VALN, IGMP SNOOPING, V1/V2/V3, Fast Leave, IGMP Proxy

Unlimited New View

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