

Managed Ethernet Switch NSW5610-48GT6XP-IN



Overview

NSW5610 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	NSW5610-48GT6XP-IN
Hardware Specification	
Ports Type	48*10/100/1000Mbps RJ45 Ports 6*10Gbps SFP+ Slots 1 Console Port
Switching capacity	216Gbps
Forwarding performance	160.71Mpps
Packet Buffer	16M bits
Jumbo Frame	12K
Power Supply	100~240V AC, 50/60Hz
Max.Power	60W
Dimensions (W×D×H)	440*260*44mm
Operating Humidity	10% to 90% (noncondensing)
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 70°C
Storage Humidity	5% to 90% (noncondensing)
Software Specification	
MAC	32K, Auto-learning, Auto-aging
Ethernet	Support MRPP, ULPP, ULSP, 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 Fragment, 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
Compliance	
NDA Compliant	Support

Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.



<http://www.uniview.com>



overseasbusiness@uniview.com; globalsupport@uniview.com



No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

*Despite our best efforts, technical or typographical errors may exist in this document.

Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.