

### **NSW5110 Series Ethernet Switches**

NSW5110-24GT4GP-IN



#### **Key Features**

- Support RJ45 Auto-MDI/MDIX
- Flow Control for Full Duplex operation and back pressure for Half Duplex Operation;
- Support Energy-Efficient Ethernet (EEE) function (IEEE802.3az);
- Supports a complete lineup of L2 features, including 802.1Q tag VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control
   Protocol and 802.3x Flow Control function;
- Web, CLI (Console Port, Telnet, SSH), SNMP and RMON bring abundant management policies;

#### Specifications

Model	NSW5110-24GT4GP-IN
Ports	24×1000Mbps ports (RJ45)+2×1000Mbps Fiber(SFP) ports+2G Combo ports
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z,IEEE802.3ab, IEEE802.3x
Switching capacity	56Gbps
Forwarding performance	41.66Mpps
Packet Buffer	4Mbit
MAC	8К
Dimensions (W×D×H)	440*208*44mm
Weight	3.6 <kg< td=""></kg<>
Power supply	AC: 100-240V, 50/60Hz
Mean Time Between Failure (MTBF)	>50000 hours
Ambient temperature	0°C-45°C (32°F-113°F)
Operating humidity	10% $\sim$ 90% (noncondensing)
Storage humidity	5% $\sim$ 90% (noncondensing)
Indicatorlight	PWR: Death: switch does not power on Permanent: the switch is powered on
Indicatorlight	LINK/ACT: Death: not connected to the network equipment



### DATASHEET

	Green light: connected to 1000Mbps devices
	Blinking:connected devices are data transmission
	System:
Indicatorlight	Blinking: the system works
	Out: the system is starting or has nopower

#### **Software Specification**

Ethernet	support Frame format:Ethernet II
	support Gigabit SFP 100 Gigabit compatible
	support flow control
	support Line order (MDIX/MDI)
	support link aggregation
	support Jumbo Frame length 9K
	support Port rate adjustment
	auto
	10Mfull、half
	100Mfull、half 1000Mfull
	support Port information statistics
	support Port Description
IEEE802.1d STP	support IEEE802.1d STP
IEEE802.1w RSTP	support IEEE802.1w RSTP
MSTP	support standard 802.1s MSTP
	support64 MSTP instance
	support PORT FAST
STP Optional Features	support BPDU FILTER
	support BPDU GUARD
	support hello-time
	support Max Age
	support Forward Delay
	support Max hops
	support TC ignore
	support TC GUARD
mstp Port Optional Features	support PORT FAST

# UNV

	support BPDU FILTER
	support BPDU GUARD
	support TC GUARD
	support TC filter
	support Auto Edge
	support TC PROTECTION
	support Compatibility mode
	support ROOT GUARD
	support point to point
	support Flow-Balance Method
	dst-ip Destination IP address
	dst-mac Destination MAC address
	src-dst-ip Source and destination IP address
AP	src-dst-mac Source and destination MAC address
	src-ip Source IP address
	src-mac Source MAC address
	support Maximum number of Aps
	support AP member port that is included in each AP.
	support broadcast storm control
	support multicast storm control
storm control	support unicast storm control
	support Control granularity (percentage and kbps are values for 64-byte
	datagram) 64kbps
	support Many-to-one mirror
mirroring	support Stream-based mirroring
	support Number of mirror groups4 SESSION
	support Whether to allow VLAN 1 to be deleted on the trunk port
	support Port based VLAN
	support GVRP
	support The number of VLANs that can support be created 4094
VLAN	support mac-vlan
	support subnet-vlan
	support protocol vlan

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	supportvlan maps
	support Allow specified VLAN ID range 1-4094
	support global MAC address qualities 8K
	support static MAC address qualities 1024
MAC address	support filtering MAC address qualities 1024
	support Check and delete address table
	support Static address and dynamic learning address
	support filtering address
	support LLDP
LLDP	
ONVIF	support ONVIF Detect
	support ONVIF Server
	support IGMP SNOOPING Groups qualities
	support IGMP V1,V2 snooping
IGMP Snooping	support source IP check
	support Multicast policy and filtering
	support IGMP Fast Leave
	support Egress speed limit granularity
Port limit	support Ingress speed limit
	support Egress speed limit
ARP	support Anti-ARP gateway spoofing
	support filtering IP Port
	support Free ARP protection
	support Source MAC check
	support ARP detection
	supportip and mac Static binding
	supportarp trust Port
Network Tool	support Ping
	supportTraceroute
ACE capacities	support The input direction is associated with the physical port
ACL	support IP standard ACL

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Note         Support Web management           Support HTTP V1.1         Support HTTPS           RMON         Support RMON (1,2,3,9)           System upgrade         Support System upgrade or page upgrade via tftp           Save Configuration         Support save Configuration           Configuration management         Support Import, export, backup configuration, restore factory configuration           Syslog/Debug         Support Syslog/Debug	DAI	support software DAI entry qualities
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RMON       support RMON (1,2,3,9)         system upgrade       support System upgrade or page upgrade via tftp         save Configuration       support save Configuration         Configuration management       support Import, export, backup configuration, restore factory configuration         Syslog/Debug       support Syslog/Debug	Web management	support HTTP V1.1
system upgrade       support System upgrade or page upgrade via tftp         save Configuration       support save Configuration         Configuration management       support Import, export, backup configuration, restore factory configuration         Syslog/Debug       support Syslog/Debug		support HTTPS
save Configuration     support save Configuration       Configuration management     support Import, export, backup configuration, restore factory configuration       Syslog/Debug     support Syslog/Debug	RMON	support RMON (1,2,3,9)
Configuration management     support Import, export, backup configuration, restore factory configuration       Syslog/Debug     support Syslog/Debug	system upgrade	support System upgrade or page upgrade via tftp
Syslog/Debug support Syslog/Debug	save Configuration	support save Configuration
	Configuration management	support Import, export, backup configuration, restore factory configuration
Security function	Syslog/Debug	support Syslog/Debug
	Security function	

# UNV

Password security           Password security         support Static password encryption transmission, storage           support Strong password and password minimum length           support Radius	2
support Strong password and password minimum length	
support Radius	check
Radius support Specify multiple groups of servers ip	
support TACACS+	
Tacacs+ support Specify multiple groups of servers ip	
ssh support SSHv2.0	
Anti-dos attack support Interrupting Land attack packets and illegal TCP	packets
support 802.1X	
support port base	
dot1x support mac base	
support MAB	
support Multiple account switching	
Defense gateway ARP spoofing support Defense gateway ARP spoofing	
IP SOURCE GUARD support IP SOURCE GUARD	
CPP support hardware CPP	
support IP+MAC data binding using DHCP SNOOPING	
support Leverage 1X IP+MAC data binding	
ARP Check support leverage IP+MAC data binding of IP SOURCE GUA	ARD
support Trusted ARP	
Web management support HTTP Access	
DHCP Relay support Allow configuration of the number of servers	
DHCP snooping support Option82	
Supportrust Port Configuration	
SupportIP、MAC binding table(ip source guard)	
SupportBind to logical ports (including physical interfaces	5)
SupportSoftware binding database capacity	
Supportbind to VLAN	
DHCP server Support binding table Configuration	
Support Address pool configuration	

# unv

Telnet	Support Telnet
	Support Maximum number of connections
TFTP	Support TFTP Client
FTP	Support FTP Server
	Support FTP Client
ERPS	Support Delete ERPS Loop
	SupportErps Loop Configuration
	SupportErps time Configuration
static and dynamic lacp link aggregation	SupportLacp Configuration
	Support Load-Balance Method
	dst-ip Destination IP address
	dst-mac Destination MAC address
	src-dst-ip Source and destination IP address
	src-dst-mac Source and destination MAC address
	src-ip Source IP address
	src-mac Source MAC address
	Support link aggregation groups qualities
	Support max link aggregation qualities of each link aggregation group
	Support link aggregation port configuration