

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
	support BPDU FILTER
	support BPDU GUARD
	support hello-time
STP Optional Features	support Max Age
	support Forward Delay
	support Max hops
	support TC ignore
	support TC GUARD
mstp Port Optional Features	support PORT FAST

	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
АР	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
VLAN	support The number of VLANs that can support be created 4094
	support mac-vlan
	support subnet-vlan
	support protocol vlan

	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
LLDP	support 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

	support IP extended ACL
	support MAC extended ACL
	support professional ACL
	support global ACL
	support time-range ACL
	support QOS hardware queues qualities
	support Determine the exit queue according to 802.1p, DSCP, port
	support Stream-based 802.1p re-marking
	support Stream-based queue maps
QoS	support SP
	support WRR
	support RR
	support WFQ
	support Mac filtering time support Whitelist data
	support clear mac address table
Port Security	support Mac address binding support Max mac qualities settings
	support Blacklist data
	support Violation mode
Port isolate	
LOOPBACK	
DAI	support software DAI entry qualities
SNMP	Supporting version(SNMPV1,V2c,V3)
	support Web management
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
Security function	
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DHCP server Support binding table Configuration		SupportSoftware binding database capacity
		Supportbind to VLAN
Support Address pool configuration	DHCP server	Support binding table Configuration
		Support Address pool configuration

DATASHEET

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

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