

NSH-3424

24-port Gigabit Ethernet Web Managed Switch



RoHS CE FCC

Product Specifications

Interface	
Ports	24*10/100/1000 Mbps RJ-45
LED Indicators	1*Power LED(Green) 1*System LED(Green) 24*port LEDs(Link/Act: Green)
Memory	Flash : 16MB DDR II : 128MB
Reset Button	Reset to default (put it at the front right side)
Power Switch	Power on/off switch
Power Input	Overload protection(by power module fuse) Internal power supply 12V/1.67A , AC Power input (100V~240V, 47 ~63Hz)
Performance	
MAC Address Table Size	8K
Buffer Memory	524.8K Bytes
Jumbo Frame	10K Bytes
Switching Capability	14880pps at 10Mbps, 148810pps at 100Mbps, 1488095pps at 1Gbps with 64bytes packets
Switch Fabric	48Gbps
Forwarding Rate	35.7 million packets per second
Physical & Environmental	
Temperature	Operating : 0°- 50°C (32°- 122°F) Storage : -40°- 70°C (-40°- 158°F)
Humidity	Operating: 10% ~ 95% RH, non-condensing
Dimensions	267(W) X 162(D) X 42(H) mm
Certification	EMC/FCC, CE Class A; Safety/LVD EN60950-1

Specifications	
Standard Compliance	IEEE 802.3/802.3u/802.3ab, IEEE 802.3x flow control IEEE 802.3az Energy Efficient Ethernet, IEEE 802.1p class of service, priority protocols Full-duplex and half duplex operation with IEEE802.3x flow control and backpressure N-way auto-negotiation Store and forward

Software Features

L2 Features	Support	Support
Flow Control	802.3x (Full-duplex)	YES
	Back-Pressure (Half-duplex)	YES
VLAN	Static VLAN	YES
	Port-based	YES
	IEEE 802.1Q Tagged Based	YES
Voice VLAN	OUI Mode	YES
Link Aggregation	IEEE 802.3ad LACP	YES
	Static Trunk	YES
	Max. Group	8
	Max. Ports/Group	8
	Traffic Load Balancing	YES
Spanning Tree	IEEE 802.1D (STP)	YES
	IEEE 802.1w (RSTP)	YES
	Auto Edge Port	YES
	Self Loop Detection	YES
	Multicast Groups	256
IGMP Snooping	IGMPv1/v2	YES
	IGMPv3 Basic (BISS)	YES
	IGMP v2/v3 Querier	YES
	Immediate Leave	YES
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)		YES

QoS Features

L2 Features		Support	Security		Support
Priority Queue		8 queues/port	HTTPS and SSL 2.0 (Secured Web)		YES
Rate Limit	Port-based (Ingress/Egress)	YES	Account Manager	Local Authentication	YES
Queue Scheduling	WRR	YES		Multiple User Account	YES
	WFQ	YES		Multi-Level Security (Manager/Operator)	YES
	Strict Priority	YES		Password Recovery Procedures	YES
	Hybrid(WRR+SP or WFQ+SP)	YES			
Class of Service	Port-based	YES	Management VLAN		YES
	Flow-based	YES	Protected Port (Port Isolation)		YES
	802.1p	YES	CPU Defense Engine		YES
	IP TOS Precedence	YES	DoS Prevention		YES
	IP DSCP	YES			
Storm Control	Broadcast	YES			
	Unknown Multicast	YES			
	Unknown Unicast	YES			

IPv6

L2 Features		Support			Support
IPv6 Host	Auto Configuration	YES	IPv6 Application	HTTP/HTTPS	YES
	Static IPv6 Address and Prefix Length	YES		TELNET	YES
	Static IPv6 Default Gateway	YES		SNMP	YES
	IPv6 Neighbor Discovery (ND)	YES		TFTP	YES
	IPv6 Duplicate Address Detection	YES		PING	YES
	ICMPv6	YES		DHCPv6	YES

Management

L2 Features		Support			Support
Command Line Interface (CLI)	Console	YES	DHCP	Client	YES
	Telnet (RFC854)	YES	DNS	Client	YES
Web-based Management (Web UI)	HTTP	YES	Mirroring	Port-based (Many to One)	YES
	HTTPS	YES	Syslog (RFC3164)	Local RAM	YES
SNMP	v1	YES		Local Flash	YES
	v2c	YES		Remote Server	YES
MIBs	RFC1213 MIBII (System & Interface groups)	YES	Time Setting	Local	YES
	RFC2819 RMON I (1,2,3, & 9 groups)	YES	SNTP	YES	
File Management	Firmware Upgrade/Backup	YES	Cable Diagnostics	Cable Test	YES
	Configuration Download/Backup	YES	Port Utilization		YES
Upload/Download	TFTP (RFC783)	YES	Reset Button		YES
	HTTP	YES	EEE (802.3az)		YES
	UART	YES			