

VIEW™ | Ethernet Managed Network Switch

NS-SW3524 - 10/100 Switch

ClearOne®

The SwitchLinX NS-SW3524 Ethernet Managed Switch provides high performance network switching for VIEW systems. Each switch is optimized to meet the various network infrastructure needs of StreamNet™ systems.



HIGH
PERFORMANCE
FAST ETHERNET
MANAGED SWITCH

APPLICATIONS

- + Multiple Streams
- + Audio Distribution Projects
- + Up to 5 Compressed Video Streams Distribution Projects

ADVANTAGES

- + 24 port high performance 10/100 switch
- + Suitable for audio and up to 5 compressed video streaming projects
- + Auto-sensing Fast Ethernet switching ports
- + Auto-negotiation for speed, duplex mode and flow control
- + Port mirroring
- + Broadcast storm control
- + Designed to fit in a 19" rack and occupy only 1RU of space
- + Stackable switch

> SPECIFICATIONS

Port Attributes

24 10/100BASE-T auto-sensing Fast Ethernet switching ports

Additional 2 Copper GbE ports PLUS 2 optional Fiber GbE via SFP transceivers

Integrated Copper GbE ports provide resilient stacking

Auto-negotiation for speed, duplex mode and flow control

Auto MDI/MDIX

Port mirroring

Broadcast storm control

Performance

Switch Fabric Capacity 12.8 Gb/s

Forwarding Rate 9.5 Mpps

Up to 8,000 MAC Addresses

Availability

Spanning Tree (IEEE 802.1D) and Rapid Spanning Tree (IEEE 802.1w) with Fast Link support

Multiple Spanning Trees (IEEE 802.1s)

External redundant power support with PowerConnect RPS-600 (sold separately)

Virtual Cable Tester provided by Marvell™ for providing cable diagnostics

Optical transceiver diagnostics

VLAN

VLAN support for tagging and port-based as per IEEE 802.1Q

Up to 256 VLANs supported

Dynamic VLAN with GVRP support

Voice VLAN

Protocol VLANs

Private VLAN Edge Support

802.1x Auto VLAN

Multicast

Static IP multicast

IGMP Querier for IP Multicast Support

Security

IEEE 802.1x based edge authentication

IP and MAC based Access Control Lists (ACLs)

Switch access password protection with advanced Password Management

User-definable settings for enabling or disabling Web, SSH, Telnet, SSL management access

Port-based MAC Address alert and lock-down

IP Address filtering for management access via Telnet, HTTP, HTTPS/SSL, SSH and SNMP

RADIUS and TACACS+ remote authentication for switch management access

SSLv3 and SSHv2 encryption for switch management traffic

Private VLAN Edge Support

DHCP Snooping

Web-based Management Interface

Web-based management interface

Industry-standard CLI accessible via Telnet or local serial port

SNMPv1, SNMPv2c and SNMPv3 supported

4 RMON groups supported (history, statistics, alarms and events)

TFTP transfers of firmware and configuration files

Dual firmware images on-board

Multiple Configuration file upload/download supported

Statistics for error monitoring and performance optimization including port summary tables

BootP/DHCP IP address management supported

LLDP-MED Support

Syslog remote logging capabilities

Temperature sensors for environmental monitoring

Virtual Cable Tester by Marvell™ and fiber transceiver diagnostics for advanced troubleshooting

Other Switching

Link Aggregation with support for up to 8 aggregated links per switch and up to 8 member ports per aggregated link (IEEE 802.3ad)

LACP support (IEEE 802.3ad)

DoD JITC IPv6 Certified

Chassis

440 x 257 x 43.2 mm (W x D x H)

17.3 x 10.12 x 1.7 in (W x D x H)

1U, rack-mounting kit included

Approx. weight: 5 kg / 11 lb.

Environmental

Operating Temperature:
32° F to 113° F
(0° C to 45° C)

Storage Temperature:
-4° F to 160° F
(-20° C to 70° C)

Operating Relative Humidity:
10% to 90% Non-condensing

Storage relative humidity: 10% - 95%

Power supply: 100-240VAC, 50-60Hz voltage g

Compliance

Restriction of use of certain Hazardous Substances (RoHS) Compliant

Part Number

NS-SW3524

Powered by StreamNet™

> CLEARONE LOCATIONS

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