

# VIEW™ | Ethernet Managed Network Switch

## NS-SW3548 - 10/100 Switch

**ClearOne®**

The SwitchLinX NS-SW3548 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

- + 48 port high performance 10/100 switch
- + Suitable for audio and up to 5 compressed video streaming projects
- + Auto-negotiation for speed, duplex mode and flow control
- + Port mirroring
- + Broadcast storm control
- + Port Profile support
- + Designed to fit in a 19" rack and occupy only 1RU of space
- + Stackable switch

## > SPECIFICATIONS

### Port Attributes

48 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 17.6 GBps

Forwarding Rate 13.1 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)

### Chassis

440 x 255 x 43.2 mm (W x D x H)

17.32 x 10.03 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 104° F

(0° C to 40° 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%

### Compliance

Restriction of use of certain

Hazardous Substances

(RoHS) Compliant

### Part Number

NS-SW3548

Powered by StreamNet™

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