

VIEW™ | Gigabit Ethernet Managed Network Switch

NS-SW5548 - 10/100/1000 Switch

ClearOne®

The SwitchLinX NS-SW5548 Ethernet Managed Switch provides high performance network switching for the VIEW system. The switch is optimized to meet the various network infrastructure needs of a StreamNet™ system.



HIGH
PERFORMANCE
GIGABIT ETHERNET
MANAGED SWITCH

APPLICATIONS

- + Multiple Streams
- + Audio and Video streaming, distribution

ADVANTAGES

- + 48 port high performance 10/100/1000 switch
- + Suitable for compressed and uncompressed audio and 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 occupies only 1RU of space
- + Stackable switch

The Power of AV over IP™

StreamNet™
CONNECTED

> SPECIFICATIONS

Port Attributes

48 10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports

2 SFP+ (10Gb/1Gb) ports

2 Stacking Ports (HDMI) – 10Gb per port, full duplex, 40Gb total per switch

USB Port – Allows for file import/export locally

Auto-negotiation for speed, duplex mode and flow control

Auto MDI/MDIX

Port mirroring

Broadcast storm control

Port Profile support

Performance

Switch Fabric Capacity 176.0 GBps

Forwarding Rate 100.2 Mpps

Up to 16,000 MAC Addresses

Availability

Spanning Tree (IEEE 802.1D)

Multiple Spanning Tree (MSTP) and Rapid Spanning Tree (IEEE 802.1w) with Fast Link Support

Dual Image Support

External redundant power support available

Cable Diagnostics via Virtual Cable Tester

VLAN

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

Up to 4000 VLANs supported

Dynamic VLAN with GVRP support

Protocol-based VLANs

802.1x Auto VLAN

Multicast

Dynamic Multicast Support - up to 256 Multicast groups supported in IGMP Snooping or Static Multicast

IGMP Snooping v1/v2

IGMP Snooping Querier

Security

Up to 3,000 ACLs and up to 3,000 ACEs

Time Controlled ACLs

ACL Logging

Switch access password protection

Optional strong password enforcement

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

DHCP Snooping

Management access filtering via Management Access Profiles

IEEE 802.1x based edge authentication, 802.1x Monitor Mode (logging without enforcement)

Web-based Management Interface

Industry-standard CLI accessible via Telnet, SSH, or local console (RJ45 Yost)

Robust HTTP GUI Management sFlow

Management IP Address Conflict Notification

SNMPv1 and SNMP v2c supported

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

HTTP and 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

SNTP Support

Layer 3 Traceroute

Telnet Client

Syslog remote logging capabilities

Other Switching

iSCSI optimization and monitoring

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)

Supports jumbo frames up to 10K bytes

IPv6 Support

IPv4 Only Mode – maximizes tables for IPv4 networks)

Chassis

440 x 255 x 432 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: 3.33 kg / 7.35 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

Hardware

1GB of CPU SDRAM

16MB of Flash Memory

12MB Packet Buffer Memory

Compliance

Restriction of use of certain Hazardous Substances (RoHS) Compliant

Part Number

NS-SW5548

Powered by StreamNet™

> CLEARONE LOCATIONS

Headquarters:

Salt Lake City, UT USA
5225 Wiley Post Way
Suite 500
Salt Lake City, UT 84116
Tel: 801-975-7200
Toll Free: 800-945-7730
Fax: 801-977-0087
sales@clearone.com

Latin America

Tel: 801-974-3621
global@clearone.com

EMEA

Tel: 44 (0) 1189 036 053
global@clearone.com

APAC

Tel: 801-303-3388
global@clearone.com

TechSales

Tel: 800.705.2103
techsales@clearone.com

Technical Support

Tel: 800.283.5936
tech.support@clearone.com