

DATA SHEET

Nile NSW 200 48-port Gigabit Access Switch

OVERVIEW

The Nile NSW 200 is a high-performance Gigabit Ethernet switch with 54 ports of 48x 10/100/1000 BASE-T, and 6x 1G/10G SFP+ uplink ports.

As a key component of the Nile Service Block, the NSW 200 is an integral part of the Nile Access Service. It offers the industry's first performance guarantee for capacity and availability for campus and branch local area network (LAN) connectivity. It provides access-layer connectivity to Wi-Fi access points (APs) and wired client devices like laptops, desktops, IP phones, printers, video conferencing systems, and other IT/OT equipment.



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NSW 200 Differentiators

- Ports secured with zero trust, requiring authentication and authorization before IP address assignment to connected devices.
- Elimination of Layer 2 VLANs for enhanced security
- No lateral movement prevents malware intrusions with zero trust isolation of each connected device at Layer 3 (L3)
- Mutual authentication between switches ensures strict confirmation and authenticity, protecting against MITM attacks
- No local/console port to prevent unauthorized access
- Dynamic device fingerprinting and SSO, 802.1X, MAB authentication flows supported on each wired port

CAPABILITIES

Connectivity and POE

- 48x Gigabit (10M/100M/1000M) and 6x 10G built-in uplinks ports.
- Copper interfaces for downlink/client ports
- Copper and Fiber support for Uplink ports
- Support for Energy-Efficient Ethernet (EEE)
- IEEE 802.3at and 802.3bt Power over Ethernet (PoE) type 4 up to 90W

Power Supplies, Fans, Mounting, LEDs

- Dual Redundant Load sharing power supplies, Hot Swap support, Easy access for Field Replacement
- Power Supply LEDs: Output Fail - RED, Input OK - GREEN
- GE RJ-45 SFP+ Port LEDs: Link Status, Activity
- SFP+ Port LEDs: Port LEDs: Link Speed, Link Status, Activity
- Ethernet Management Port LED: Link Status, Activity
- System LEDs: System, PSU1, PSU2, FAN, PoE, LOC
- Fixed 2+1 redundant fans
- Front-to-back airflow
- Rack Mounting" 2-post and 4-Post support - kits provided

Power Budget

- Total Power: 850W, 1PSU (Including PoE)
- Total Power: 1850W, 2PSU (Including PoE)

Security

- Support TPM 2.0 with SPI Interface
- UEFI Secure Boot capability for CPU

SPECIFICATIONS

I/O ports and slots	
	48 10M/100M/1000M RJ-45 ports 6 1G/10G SFP+ ports
Additional ports and slots	
	Micro-USB for Bluetooth Interface
Physical Characteristics	
Dimensions	1 RU H x 17.32" W x 13.79" D (44mm x 440mm x 350mm)
Weight	18.6 LBS (8.44 Kg)
Environment	
Operating temperature	0°C to 45°C
Operating Humidity	5% to 90% Relative Humidity, non-condensing
Max non-operating/storage specification	Storage temperature: -40°C to 70°C Storage Humidity: 5% to 90% RH, non-condensing
MTBF	405,313 hrs at 77°F (25°C)
Electrical	
Power Input	Low-line: 90-136VAC; High-line: 180-264VAC
Power Cable	ARG Argentina 220V AC 10A 2-meter AC Power Cord JW113A AUS Australian AC Power Cord JW114A BR Brazil AC Power Cord JW115A CHN China AC Power Cord JW116A DEN Denmark 220V AC 10A 2-meter AC Power Cord JW117A IN India AC Power Cord JW119A IL Israel 250V AC 10A 2-meter AC Power Cord JW120A IT Italian AC Power Cord JW121A JP Japanese AC Power Cord JW122A KOR Korea AC Power Cord JW123A NA North America AC Power Cord JW124A EC Continental European/Schuko AC Power Cord JW118A
Compliance	
FCC, CE, IC, CSA	EMC, Immunity, Safety, Radio directive, ROHS5
Certifications	
	Available with US Trade Agreements Act (TAA) compliance; USGv6 Host and Router Certified; Bystander positions operating to an ambient temperature of 25°C