NS4700-24T-4X

Switch réseau 24 ports Gigabit non-PoE de classe entreprise avec liaison montante 4-10G.

Overview

The NS4700-24T-4X with 24 Gigabit Ethernet ports with 4 100/1000/10,000Mbps SFP+ slots provides a high-performance switch architecture and non-blocking switch fabric capable of wire-speed throughput as high as 95.23 Gbps.

User-friendly traffic control

Designed to deliver optimal performance for applications with limited network resources, the NS4700-24T-4X offers user-friendly traffic management features, including quick and simple QoS configuration through its web interface.

Quiet, Energy-Efficient Technology

The NS4700-24T-4X provides a quiet, energy-efficient, high-speed network environment, delivering Gigabit performance at a cost similar to Fast Ethernet. The switch does not contain a cooling fan.



Détails

- 24-ports Gigabit Ethernet RJ-45, non-PoE
- 4 slots SFP/SFP+ pour les Uplinks 10G - compatible avec les SFP des séries S2x, S3x et S4x
- Ring redondant, récupération rapide pour les applications réseau critiques
- Authentification de l'accès au réseau basée sur le MAC
- Conception discrète et sans ventilateur
- Mécanisme de diagnostic intelligent des SFP

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Spécifications techniques

General

Fast ring	Sí (ERPS)
Storm control	Broadcast, Multicast
DHCP snooping	Yes
Fault relay output	Nein

Category

Category	Comercial, Enterprise
Management	Verwaltet
Managed	Ja (Layer 2)
PoE	No

Physical ports

No. of ports	24
Port type	Gig
Speed	Gigabit
Fiber port	4 SFP/4 SFP+
Supported SFPs	Series S20/S25, Series S30/S35, Serie S40
SFP speed	24 x 100/1000 y 4 x 10G
Console Port	1 x RJ45-to-RS232 serial port (115200, 8, N, 1)

Switch Performance

Switch fabric	128 Gbps/non-blocking
Throughput (Mpps)	95.23 Mpps
Mac table	16 K
Jumbo frame support	12 K

Layer 2 Functions

IGMP snooping	256 Group, Snooping v2, v3
IGMP query	Ja
Port Mirroring	TX/RX/both, Many-to-1 monitor, Up to 4 sessions
VLAN	IEEE 802.1Q tagged VLAN, Up to 256 VLAN groups out of 4094 VLAN IDs, IEEE 802.1ad Q-in-Q tunneling, Voice VLAN, Protocol VLAN, Private VLAN (Protected port), GVRP, Management VLAN
Link Aggregation	IEEE 802.3ad LACP and static trunk, Supports 8 groups with 8 ports per trunk
Spanning Tree Protocol	IEEE 802.1D Spanning Tree Protocol (STP), IEEE 802.1w Rapid Spanning Tree Protocol (RSTP), IEEE 802.1s Multiple Spanning Tree Protocol (MSTP), Maximum 15 MSTP instances, STP BPDU Guard, BPDU Filtering and BPDU forwarding
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups
QoS	8 mapping IDs to 8 level priority queues: Port number, 802.1p priority, 802.1Q VLAN tag, DSCP field in IP packet. Traffic classification based, strict priority and WRR
Ring	Supports ERPS, and complies with ITU-T G.8032. Recovery time < 450ms

Electrical

Redundant power	No
Power supply type	100 bis 240 VAC
Power consumption	25.7 watts / 87.7 BTU (System+Full Loading)
Cooling Fan	No

Physical

Physical dimensions	440 x 207 x 44 mm, 1U height
Net weight	3500 g
Colour	Schwarz
Material	Metall
Mounting type	19" rack
Stackable	No

Environmental

Operating temperature	0 to 50°C
Storage temperature	-20 to 70°C
Relative humidity	5 to 95% (non-condensing)
Environment	Drinnen

Security Functions

Access Control List	IPv4/IPv6 IP-based ACL/MAC-based ACL, IPv4/IPv6 IP-based ACE/MAC-based ACE, Max. 256 ACL entries
Port Security	Built-in RADIUS client to co-operate with RADIUS server, RADIUS/TACACS+ user access authentication
MAC Security	IP-MAC port binding, MAC filter, Static MAC address, max. 256 static MAC entries
Enhanced Security	DHCP Snooping and DHCP Option82, STP BPDU guard, BPDU filtering and BPDU forwarding, DoS attack prevention, ARP inspection, IP source guard

Management Functions

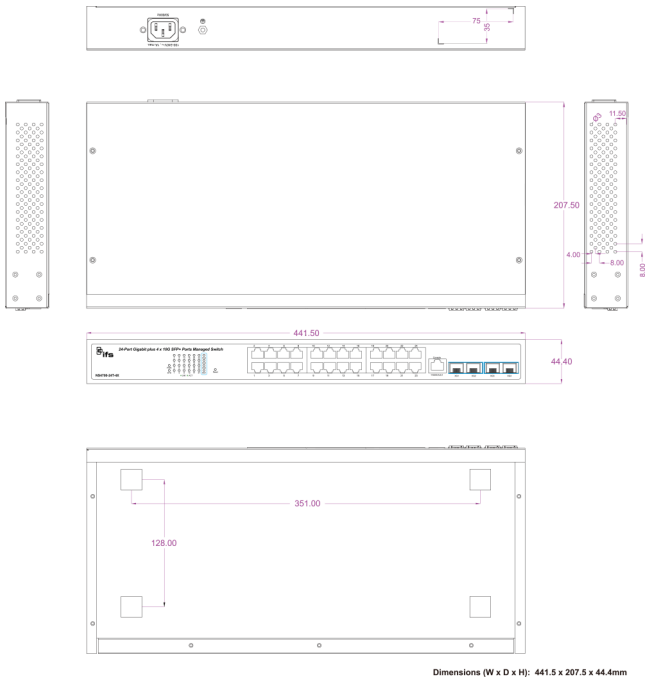
Basic Management Interfaces	Web browser; Telnet; SNMP v1, v2c
Secure Management Interfaces	SSHv2, TLS v1.2, SNMP v3
System Management	Firmware upgrade by HTTP/TFTP protocol hrough Ethernet network, LLDP protocol, SNTP, TruVision Device Manager discovery tool, TruVision Navigator VMS monitoring software.
Event Management	Remote Syslog, Local System log, Email SMTP
SNMP MIBs	RFC 1213 MIB-II, RFC 1215 Generic Traps, RFC 1493 Bridge MIB, RFC 2674 Bridge MIB Extensions, RFC 2737 Entity MIB (v2), RFC 2819 RMON (1, 2, 3, 9), RFC 2863 Interface Group MIB, RFC 3635 Ethernet-like MIB, RFC 3621 Power Ethernet MIB

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IEEE Standards

Standards Compliance	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX/100BASE-FX
	IEEE 802.3z Gigabit SX/LX
	IEEE 802.3ab Gigabit 1000T
	IEEE802.3ae 10Gb/s Ethernet
	IEEE 802.3x flow control and back pressure
	IEEE 802.3ad port trunk with LACP
	IEEE 802.1D Spanning Tree Protocol
	IEEE 802.1w Rapid Spanning Tree Protocol
	IEEE 802.1s Multiple Spanning Tree Protocol
	IEEE 802.1p Class of Service
	IEEE 802.1Q VLAN tagging
	IEEE 802.1ab LLDP
	IEEE 802.3az Energy Efficient Ethernet (EEE)
	RFC 768 UDP
	RFC 793 TFTP
	RFC 791 IP
	RFC 792 ICMP
	RFC 2068 HTTP
	RFC 1112 IGMP v1
	RFC 2236 IGMP v2
	RFC 3376 IGMP v3
	RFC 2710 MLD v1
	RFC 3810 MLD v2
	ITU G.8032 ERPS Ring
Regulatory	FCC Part 15 Class A, CE
	UL, cUL



Dimensions (W x D x H): 441.5 x 207.5 x 44.4mm

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