# NS4700-24T-4X

**Enterprise-class 24-port Gigabit non-PoE network switch with 4-10G uplink**

## Overview

This Enterprise-Class Network Switch provides 24 Gigabit Ethernet ports with 4 100/1000/10,000Mbps SFP slots. This switch provides a high-performance switch architecture and non-blocking switch fabric capable of wire-speed throughput as high as 95.23Gbps.

## 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 a 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.



## Details

- 24-ports Gigabit Ethernet RJ-45, non-PoE
- 4 SFP/SFP+ slots for 10G Uplinks - compatible with S2x, S3x and S4x Series SFPs
- Redundant ring, fast recovery for critical network applications
- MAC-based network access authentication
- Quite, fanless design
- Intelligent SFP Diagnosis mechanism

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## Technical specifications

### General

| | |
|---|---|
| Fast ring | Yes (ERPS) |
| Storm control | Broadcast, Multicast |
| DHCP snooping | Yes |
| Fault relay output | No |

### Category

| | |
|---|---|
| Category | Commercial, Enterprise |
| Management | Managed |
| Managed | Yes (Layer 2) |
| PoE | No |

### Physical ports

| | |
|---|---|
| No. of ports | 24 |
| Port type | Gig |
| Speed | Gigabit |
| Fiber port | 4 SFP/4 SFP+ |
| Supported SFPs | S20/S25 series, S30/S35 series, S40 series |
| SFP speed | 24 x 100/1000 and 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 | Yes |
| 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 to 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 | Black |
| Material | Metal |
| 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 | Indoor |

### 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

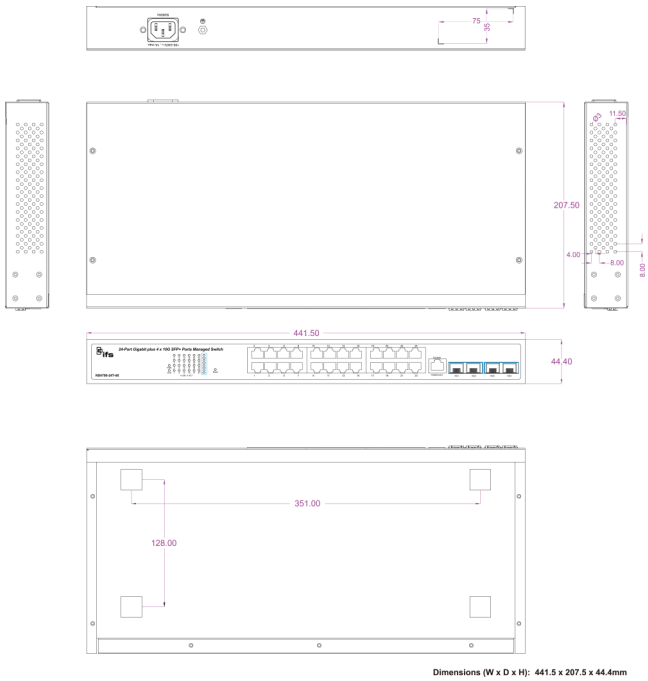
| | |
|---|---|
| Basic Management Interfaces | Web browser; Telnet; SNMP v1, v2c |
| Secure Management Interfaces | SSHv2, TLS v1.2, SNMP v3 |
| System Management | Firmware upgrade by HTTP/TFTP protocol hrough Ethernet network, LLDP protocol, SNTP, TruVision Device Manager discovery tool, TruVision 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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## Enterprise-class 24-port Gigabit non-PoE network switch with 4-10G uplink

### IEEE Standards

| | |
|---|---|
| Standards Compliance : | IEEE 802.3 10Base-T |
| Standards Compliance : | IEEE 802.3u 100Base-TX/100Base-FX |
| Standards Compliance : | IEEE 802.3z Gigabit SX/LX |
| Standards Compliance : | IEEE 802.3ab Gigabit 1000Base-T |
| Standards Compliance : | IEEE 802.3x Flow Control and Back pressure |
| Standards Compliance : | IEEE 802.3ad Port trunk with LACP |
| Standards Compliance : | IEEE 802.1d Spanning Tree Protocol |
| Standards Compliance : | IEEE 802.1w Rapid Spanning Tree Protocol |
| Standards Compliance : | IEEE 802.1s Multiple Spanning Tree Protocol |
| Standards Compliance : | IEEE 802.1p Class of Service |
| Standards Compliance : | IEEE 802.1Q VLAN Tagging |
| Standards Compliance : | IEEE 802.1x Port Authentication Network Control |
| Standards Compliance : | IEEE 802.1ab LLDP |
| Standards Compliance : | RFC 768 UDP |
| Standards Compliance : | RFC 793 TFTP |
| Standards Compliance : | RFC 791 IP |
| Standards Compliance : | RFC 792 ICMP |
| Standards Compliance : | RFC 2068 HTTP |
| Standards Compliance : | RFC 1112 IGMP version 1 |
| Standards Compliance : | RFC 2236 IGMP version 2 |
| Regulation Compliance : | FCC Part 15 Class A, CE |
| Safety : | UL, cUL |




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

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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