# NS4702-24P-4X-V2

## Enterprise-class 24-port PoE+ Gigabit Switch with 10G uplink and touchscreen

### Overview

This enterprise-class network switch is engineered to meet a variety of high-performance applications such as PoE distribution, optical network architectures, and high-density performance through reliable technology and advance Layer 2+ networking features.

It is ideally suited to large scale IP CCTV based security systems.

### Touch Screen Interface

The touchscreen interface allows for basic configuration and diagnostics without the need for a local computer.  Basics set-up such as IP configuration, port assignment and PoE control can all be configured from the touchscreen interface.

The touchscreen also supports basic diagnostics such as monitoring of ports, PoE power as well as diagnostic functions such as local ICMP Ping and PD Alive Check management.

### Powerful PoE+ Support

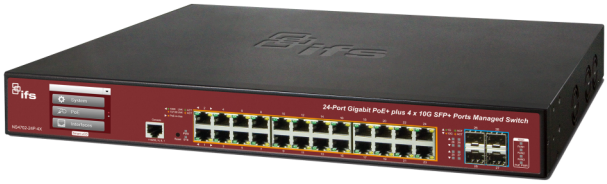
The NS4702-24P-4X-V2 features IEEE 802.3at Power over Ethernet (PoE+) and up to 400 Watts of PoE budget providing optimized deployment and power management of PoE edge devices such as IP Surveillance cameras. access control panels and wireless access points.

### Static Routing

The NS4702-24P-4X-V2 supports static routing tables allowing for complex system architectures.  Traffic can be routed across different domains or between different VPN.  This allows flexible network design and greater control of network traffic, essential for modern IP CCTV systems.

### Flexible 10Gbps Ethernet Trunking Solution

10G Ethernet is a big leap in the evolution of Ethernet. Each of the SFP+ slot in the NS4702-24P-4X-V2 supports Dual-Speed, 10GBase-SR/LR or 1000Base-SX/LX.  The administrator now can flexibly choose the suitable SFP/SFP+ transceiver according to the transmission distance or the transmission speed required to extend the network efficiently.



### Details

- Built in Touch Screen for configuration and monitoring
- 24-ports Gigabit Ethernet RJ-45 with PoE+
- 4 SFP/SFP+ slots for 10G Uplinks - compatible with S3x and S4x Series SFPs
- PD Alive Checking
- Support for Static Routing
- Up to 128Gbps non-blocking switch fabric
- 32 Megabits shared data buffer
- 16K MAC address table
- Full Multicast Support for IP Video - up to 255 multicast groups
- VLAN Support - up to 256 VLANs groups
- Power over Ethernet
- Complies with IEEE 802.3at Standard for PoE
- Up to 400 Watts PoE Power Budget
- Up to 13 PoE+ devices similtaneoulsy
- Advanced Security
- MAC Filtering and Source IP/MAC address port-binding
- Quality of Service (QoS)

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## Technical specifications

### General

| | |
|---|---|
| Fast ring | Yes (ERPS) |
| Storm control | Broadcast, Multicast, Unicast |
| Security | 802.1x, ACL, RADIUS, Source MAC / IP address binding, TACACS+ |
| DHCP snooping | Yes |
| Fault relay output | No |

### Category

| | |
|---|---|
| Category | Enterprise |
| Management | Managed (L3 Static Routing) |
| Managed | Yes (Layer 3) |
| PoE | Yes |

### Physical ports

| | |
|---|---|
| No. of ports | 24 |
| Port type | Gig |
| Speed | 10G |
| PoE / PoE+ | 24 port PoE/14 port PoE+ |
| Fiber port | 4 |
| Supported SFPs | S30/S35 series, S40 series |

### Switch performance

| | |
|---|---|
| Switch fabric | 128 Gbps |
| Throughput (Mpps) | 95.23 |
| Mac table | 16 K |
| Jumbo frame support | 10 K |

### Layer 2 Functions

| | |
|---|---|
| Management interface | Console, Web, Telnet, SNMP 1,2,3, SSH/SSL secure access |
| IGMP snooping | 255 Group, Snooping v1, v2, v3 |
| IGMP query | Yes |
| VLAN, QoS | 255, yes |
| Access control list | 256 entries |

### Electrical

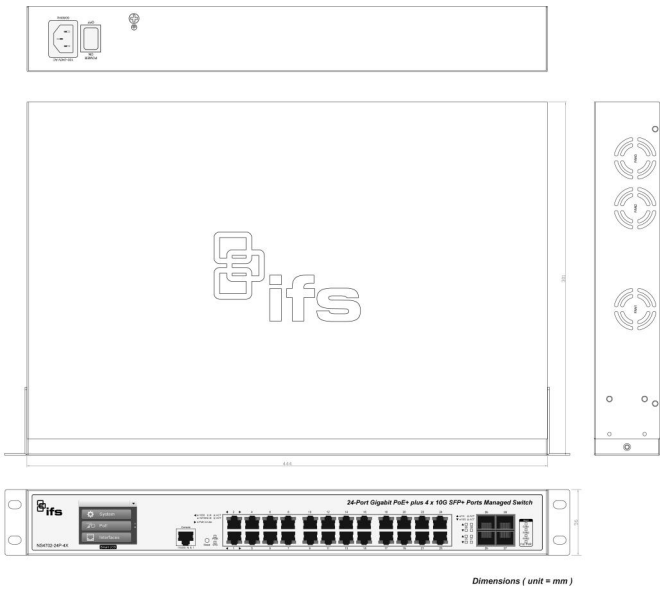
| | |
|---|---|
| PoE power budget | 400 W |
| Redundant power | No |
| Power supply type | 100 to 240 VAC |
| Power consumption | 488 W |

### Physical

| | |
|---|---|
| Physical dimensions | 440 x 300 x 56 mm (1.25 U hight) |
| Net weight | 4635 g |
| Colour | Black |
| Mounting type | 19" rack |
| Stackable | No |

### Environmental

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

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