

## DATASHEET

## NS4750-24S-4T-4X-V2

Enterprise-class 24-port SFP Gigabit Switch with 10G uplink

## MAIN FEATURES

- Enterprise-class 24-port SFP Gigabit Switch with 10G uplink



## TECHNICAL SPECIFICATIONS

## Power supply

|                    |                                        |
|--------------------|----------------------------------------|
| Redundant power    | Yes                                    |
| Power supply type  | 100 to 240 VAC                         |
| Power supply value | 36 to 60VDC (optional secondary input) |
| Power consumption  | 58 W                                   |
| Power              | On/Green                               |

## Inputs / outputs

|                    |     |
|--------------------|-----|
| Fault relay output | Yes |
|--------------------|-----|

## Physical characteristics

|                     |                   |
|---------------------|-------------------|
| Physical dimensions | 430 x 300 x 45 mm |
| Net weight          | 4.490 kg          |
| Colour              | Black             |
| Mounting type       | 19" rack          |
| Jumbo Frame Size    | 10 Kbytes         |

## Environmental characteristics

|                       |                                          |
|-----------------------|------------------------------------------|
| Operating temperature | 0 to +50°C-10 to +60°C with external PSU |
| Storage temperature   | -10 to +70°C                             |
| Relative humidity     | 0 to 95% noncondensing                   |
| Environment           | Indoor                                   |

## Other characteristics

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### TECHNICAL SPECIFICATIONS

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Fast ring                | Yes (ERPS)                                                                                                                                          |
| Storm control            | Broadcast, Multicast, Unicast                                                                                                                       |
| Security                 | 802.1x, ACL, RADIUS, Source MAC / IP address binding, TACACS+                                                                                       |
| DHCP snooping            | Yes                                                                                                                                                 |
| Category                 | Enterprise                                                                                                                                          |
| Management               | Managed (L3 Static Routing)                                                                                                                         |
| Managed                  | Yes (Layer 3)                                                                                                                                       |
| PoE                      | No                                                                                                                                                  |
| No. of ports             | 4                                                                                                                                                   |
| Port type                | Gig                                                                                                                                                 |
| Fiber port               | 24 SFP/4 SFP+                                                                                                                                       |
| Supported SFPs           | S20/S25 series, S30/S35 series, S40 series                                                                                                          |
| SFP speed                | 24 x 100/1000 and 4 x 10G                                                                                                                           |
| Switch fabric            | 128 Gbps                                                                                                                                            |
| Throughput (Mpps)        | 95                                                                                                                                                  |
| Mac table                | 16 K                                                                                                                                                |
| Jumbo frame support      | 10 K                                                                                                                                                |
| 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                                                                                                                                         |
| Port Configuration       | Port enable/disable                                                                                                                                 |
| Port Status              | Display each port's: speed duplex mode, link status, flow control status, Auto negotiation status, trunk status                                     |
| Port Mirroring           | TX/RX/Both                                                                                                                                          |
| Bandwidth Control        | Ingress/Egress rate control: configure per port                                                                                                     |
| VLAN                     | 802.1Q Tagged-based VLAN, up to 255 VLAN groups out of 4094 VLAN IDs                                                                                |
| Link Aggregation         | IEEE 802.3ad LACP / Static Trunk                                                                                                                    |
| Quality of Service (QoS) | Traffic classification based, Strict priority and WRR, 4-level priority for switching - Port Number, - 802.1p priority, - DS/TOS field in IP Packet |
| Multicasting/IGMP        | IGMP (v1/v2/v3) Snooping, up to 255 multicast Groups                                                                                                |
| SNMP MIBs (1)            | RFC-1213 MIB-II, IF-MIB, RFC-1493 Bridge MIB RFC-1643 Ethernet MIB RFC-2863 Interface MIB RFC-2665 Ether-Like MIB RFC-2737 Entity MIB               |
| SNMP MIBs (2)            | RFC-2618 RADIUS Client MIB RFC-2933 IGMP-STD-MIB RFC3411 SNMP-Frameworks-MIB, IEEE802.1X PAE, LLDP, MAU-MIB, Power over Ethernet-MIB                |
| Stackable                | No                                                                                                                                                  |

## NS4750-24S-4T-4X-V2

### TECHNICAL SPECIFICATIONS

Switch Architecture

Switch Throughput

Mac Address Table

Share Data Buffer

Flow Control

10/100/1000Base-TX Ports

10/100/1000Base-T/SFP Ports

FAN(s)

Reset Button

Factory Default

Regulatory Standards

IEEE Standards (1)

IEEE Standards (2)

Store-and-Forward

95 Mpps @ 64 Bytes

16 K entries

32 Megabits

IEEE 802.3x Pause Frame for Full-Duplex, Back pressure for Half-Duplex

10/100/1000 Mbps LNK/ACT (Green) PoE In-Use (Orange)

1000 Mbps (Orange), LNK/ACT (Green)

FAN1 (Green), FAN2 (Green), FAN3 (Green)

System reboot: push and hold < 5 sec.

push and hold > 5 sec.

FCC Part 15 Class A, CE, UL, cUL

IEEE 802.3 10Base-T

IEEE 802.1w Rapid spanning tree protocol