NETGEAR

NETGEAR 48-Port 10G Ethernet Smart Switch (XS748T)

Brand : NETGEAR

Product name : 48-Port 10G Ethernet Smart Switch (XS748T)

Product code: XS748T-100NES

ProSAFE XS748T - 44 x 10GBASE-T copper ports, 4x SFP+ 1000/10GBASE-X fiber ports, 262.8W max., 47.8 dB, 2.61 kg
NETGEAR 48-Port 10G Ethernet Smart Switch (XS748T). Switch type: Managed, Switch layer: L2+/L3. Basic switching RJ-45 Ethernet ports type: 10G Ethernet (100/1000/10000), Basic switching RJ-45 Ethernet ports quantity: 44, USB 2.0 ports quantity: 1. Full duplex. MAC address table: 16000 entries, Switching capacity: 960 Gbit/s. Networking standards: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE.... Rack mounting

Management features

Switch type *	Managed
Switch layer	L2+/L3
Quality of Service (QoS) support	✔
Web-based management	✔

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	44
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)
SFP+ module slots quantity	4
USB 2.0 ports quantity	1

Network

Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ad, IEEE 802.3ae, IEEE 802.3an, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
10G support *	✔
Copper ethernet cabling technology	10GBASE-T
Cable types supported	Cat5e, Cat6, Cat6a, Cat7
Port mirroring	✔
Full duplex	✔
IP routing	✔
Flow control support	✔
Link aggregation	✔
Rate limiting	✔
VLAN support	✔
Virtual LAN features	Private VLAN, Protocol-based VLAN
Number of VLANs	512

Data transmission

Switching capacity *	960 Gbit/s
MAC address table *	16000 entries
Store-and-forward	✔
Latency (10 Gbps)	3.674 μs

Security

Security algorithms	802.1x RADIUS
MAC address filtering	✔

Multicast features

Multicast support	✔

Protocols

Management protocols	SNMP v1, v2c, v3

Design

Rack mounting *	✔
Product colour	Black
LED indicators	Activity, Link, Power
Number of fans	4 fan(s)

Performance

Built-in processor	✔
Processor frequency	800 MHz
Internal memory	512 MB
Flash memory	256 MB
Noise level	47.8 dB
Mean time between failures (MTBF)	483808 h

Power

AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power consumption (max)	262.8 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✘

Operational conditions

Operating temperature (T-T)	0 - 50 °C
Operating relative humidity (H-H)	0 - 90%
Operating altitude	0 - 3000 m

Weight & dimensions

Width	440 mm
Depth	310 mm
Height	43 mm

Data transmission

Number of queues	8
Number of static routes	64
Jumbo frames support	✔
Jumbo frames	10000
Packet buffer memory	3 MB

Security

DHCP features	DHCP server, DHCP client
Access Control List (ACL)	✔
Access Control List (ACL) rules	164
IGMP snooping	✔

Weight & dimensions

Weight	6.25 kg

Packaging content

Cables included	AC
Quick start guide	✔
Rack mount kit	✔

Certificates

Certification	CE, FCC Cl. A, VCCI Cl. A, Cl. A EN 55022 (CISPR 22), Cl. A C-Tick, EN 55024, CCC

Logistics data

Harmonized System (HS) code	85176990

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