

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

**Brand :** NETGEAR

**Product code:** XS748T-100NES

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



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		Security	
Switch type *	Managed	Security algorithms	802.1x RADIUS
Switch layer	L2+/L3	MAC address filtering	✓
Quality of Service (QoS) support	✓	<b>Multicast features</b>	
Web-based management	✓	Multicast support	✓
Ports & interfaces		Protocols	
Basic switching RJ-45 Ethernet ports quantity *	44	Management protocols	SNMP v1, v2c, v3
Basic switching RJ-45 Ethernet ports type *	10G Ethernet (100/1000/10000)	Design	
SFP+ module slots quantity	4	Rack mounting *	✓
USB 2.0 ports quantity	1	Product colour	Black
Network		LED indicators	Activity, Link, Power
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	Number of fans	4 fan(s)
		Certification	CE, FCC Cl. A, VCCI Cl. A, Cl. A EN 55022 (CISPR 22), Cl. A C-Tick, EN 55024, CCC
10G support *	✓	Performance	
Copper ethernet cabling technology	10GBASE-T	Built-in processor	✓
Cable types supported	Cat5e, Cat6, Cat6a, Cat7	Processor frequency	800 MHz
Port mirroring	✓	Internal memory	512 MB
Full duplex	✓	Flash memory	256 MB
IP routing	✓	Noise level	47.8 dB
Flow control support	✓	Mean time between failures (MTBF)	483808 h
Link aggregation	✓	Power	
Rate limiting	✓	AC input voltage	100 - 240 V
VLAN support	✓	AC input frequency	50 - 60 Hz
Virtual LAN features	Private VLAN, Protocol-based VLAN	Power consumption (max)	262.8 W
Number of VLANs	512	Power over Ethernet (PoE)	
Data transmission		Power over Ethernet (PoE) *	✗
Switching capacity *	960 Gbit/s	Operational conditions	
MAC address table *	16000 entries	Operating temperature (T-T)	0 - 50 °C
Store-and-forward	✓	Operating relative humidity (H-H)	0 - 90%
Latency (10 Gbps)	3.674 µs	Operating altitude	0 - 3000 m
Number of queues	8	Weight & dimensions	
Number of static routes	64	Width	440 mm
Jumbo frames support	✓	Depth	310 mm
Jumbo frames	10000	Height	43 mm
Packet buffer memory	3 MB	Weight	6.25 kg

Security		Packaging data	
DHCP features	DHCP server, DHCP client	Cables included	AC
Access Control List (ACL)	✓	Quick start guide	✓
Access Control List (ACL) rules	164	Rack mount kit	✓
IGMP snooping	✓	<b>Logistics data</b>	
		Harmonized System (HS) code	85176990



0606449112382



606449112382

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.