

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	✓	Multicast features	
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)
	10G support *	✓	Certification
Copper ethernet cabling technology	10GBASE-T	Performance	
Cable types supported	Cat5e, Cat6, Cat6a, Cat7	Built-in processor	✓
Port mirroring	✓	Processor frequency	800 MHz
Full duplex	✓	Internal memory	512 MB
IP routing	✓	Flash memory	256 MB
Flow control support	✓	Noise level	47.8 dB
Link aggregation	✓	Mean time between failures (MTBF)	483808 h
Rate limiting	✓	Power	
VLAN support	✓	AC input voltage	100 - 240 V
Virtual LAN features	Private VLAN, Protocol-based VLAN	AC input frequency	50 - 60 Hz
Number of VLANs	512	Power consumption (max)	262.8 W
Data transmission		Power over Ethernet (PoE)	
Switching capacity *	960 Gbit/s	Power over Ethernet (PoE) *	✗
MAC address table *	16000 entries	Operational conditions	
Store-and-forward	✓	Operating temperature (T-T)	0 - 50 °C
Latency (10 Gbps)	3.674 µs	Operating relative humidity (H-H)	0 - 90%
Number of queues	8	Operating altitude	0 - 3000 m
Number of static routes	64	Weight & dimensions	
Jumbo frames support	✓	Width	440 mm
Jumbo frames	10000	Depth	310 mm
Packet buffer memory	3 MB	Height	43 mm
		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	✓		
		Logistics data	
		Harmonized System (HS) code	85176990



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