

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 *	✓	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
		Weight & dimensions	
		Width	440 mm
		Depth	310 mm
		Height	43 mm

Data transmission		Weight & dimensions	
Number of queues	8	Weight	6.25 kg
Number of static routes	64	Packaging content	
Jumbo frames support	✓	Cables included	AC
Jumbo frames	10000	Quick start guide	✓
Packet buffer memory	3 MB	Rack mount kit	✓
Security		Certificates	
DHCP features	DHCP server, DHCP client	Certification	CE, FCC Cl. A, VCCI Cl. A, Cl. A EN 55022 (CISPR 22), Cl. A C-Tick, EN 55024, CCC
Access Control List (ACL)	✓	Logistics data	
Access Control List (ACL) rules	164	Harmonized System (HS) code	85176990
IGMP snooping	✓		



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