

Dell PowerSwitch N3248TE-ON - Switch

L3 - Managed - 48 x 10/100/1000 + 4 x 10 Gigabit SFP+ + 2 x 100 Gigabit QSFP28 - front to back airflow - rack-mountable - CAMPUS Smart Value

Group	Network Equipment
Manufacturer	Dell
Manufacturer item no.	210-AWZM
EAN/UPC	5397184363546



Description

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Main features

Product Description	Dell PowerSwitch N3248TE-ON - switch - 48 ports - Managed - rack-mountable - CAMPUS Smart Value
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Front to back airflow rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 4 x 10 Gigabit SFP+ + 2 x 100 Gigabit QSFP28
Performance	Switching capacity: 576 Gbps Forwarding rate: 800 Mpps
Capacity	IPv4 routes (static): 1024 IPv6 routes (static): 1024 IPv4 routes (dynamic): 8160 IPv6 routes (dynamic): 4096 Maximum member ports per LAG: 8 Maximum dynamic ports per switch stack: 144 LAG groups: 128 OSPF routes: 8158 RIP routes: 512 ECMP next hops per route: 16 ECMP groups: 1024 VLAN routing interfaces: 128 VLANs supported: 4094 Multicast entries (IPv4): 1023 Multicast entries (IPv6): 1021 ARP entries: 6144 NDP entries: 2560 ACL: 100 Maximum rules per ACL: 1023 Max ACL rules system-wide: 3914 Maximum ACL rules per interface (IPv4) egress rules: 511 Maximum ACL rules per interface (IPv4) ingress rules: 1023 Maximum ACL rules per interface (IPv6) egress rules: 506 Maximum ACL rules per interface (IPv6) ingress rules: 1021 Maximum VLAN interfaces with ACLs applied: 24
MAC Address Table Size	32K entries
Routing Protocol	OSPF, RIP, RIP-2, IGMPv2, IGMP, OSPFv2, IGMPv3, OSPFv3, IPv4-to-IPv6 Multicast
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, HTTP, TFTP, SSH-2

Features	Flow control, MDI/MDI-X switch, auto-negotiation, ARP support, VLAN support, port mirroring, DiffServ support, Weighted Round Robin (WRR) queuing, Broadcast Storm Control, IPv6 support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), STP Root Guard, IPv4 support, LLDP support, Link Aggregation Control Protocol (LACP), Energy Efficient Ethernet, Management Information Base (MIB), Dynamic VLAN Support (GVRP), dual firmware images, Network Access Control (NAC), Neighbor Discovery Protocol (NDP), tagged VLAN, redundant fans, Protocol-based VLANs support
Compliant Standards	IEEE 802.2, IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.3ac, IEEE 802.1s, IEEE 802.1v, IEEE 802.1ag, IEEE 802.1ab (LLDP), IEEE 802.3az, IEEE 802.3ax
Power Redundancy	Optional
Dimensions (WxDxH)	43.4 cm x 40 cm x 4.34 cm
Weight	6.99 kg
Manufacturer Selling Program	CAMPUS Smart Value

Extended details

	General
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Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, HTTP, TFTP, SSH-2
Encryption Algorithm	MD5, AES, SSL, TLS
Authentication Method	RADIUS, TACACS+, Secure Shell v.2 (SSH2)

Features	Flow control, MDI/MDI-X switch, auto-negotiation, ARP support, VLAN support, port mirroring, DiffServ support, Weighted Round Robin (WRR) queuing, Broadcast Storm Control, IPv6 support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), STP Root Guard, IPv4 support, LLDP support, Link Aggregation Control Protocol (LACP), Energy Efficient Ethernet, Management Information Base (MIB), Dynamic VLAN Support (GVRP), dual firmware images, Network Access Control (NAC), Neighbor Discovery Protocol (NDP), tagged VLAN, redundant fans, Protocol-based VLANs support
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RAM	32 GB
Flash Memory	8 GB
Expansion / Connectivity	
Interfaces	48 x 10/100/1000 Base-T RJ-45 4 x 10Gbit LAN SFP+ 1 x 10/100/1000 Base-T RJ-45 management 2 x 100Gbit LAN QSFP28 stacking 1 x USB Type A 1 x micro-USB 2.0 Type B console 1 x serial (RS-232) RJ-45 console
Power	
Power Device	Internal power supply - hot-plug
Installed Qty	1
Max Supported Qty	2
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Power Provided	550 Watt
Power Consumption Operational	212 Watt
80 PLUS Certification	80 PLUS Platinum
Miscellaneous	
Rack Mounting Kit	Included
Compliant Standards	FCC Class A certified, UL, cUL, GS, RoHS, WEEE, REACH, ICES Class A, NRTL, VCCI Class A, EAC, CCC Class A, FDA 21CFR1040.10, ACMA, FDA 21CFR1040.11
Manufacturer Selling Program	CAMPUS Smart Value
Software / System Requirements	
Software Included	Dell EMC OS10
Dimensions & Weight	
Width	43.4 cm
Depth	40 cm
Height	4.34 cm
Weight	6.99 kg
Manufacturer Warranty	
Service & Support	Limited warranty - lifetime
Environmental Parameters	
Min Operating Temperature	0 °C

Max Operating Temperature	45 °C
Humidity Range Operating	95%
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	95%

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