Series	PowerSwitch N3200 Series								
Overview	Power-efficient and resilient 1GbE and 1/2.5/5/10GbE Multigig range of switching solution with PoE options, for advanced Layer 3 distribution in enterprise campus and retail networks.								
Models (all sized 1RU)	N3208PX-ON	N3224P-ON	N3224PX-ON	N3248P-ON	N3248PXE-ON	N3224T-ON	N3248TE-ON	N3248X-ON	N3224F-ON
NPU	Broadcom® Hurricane3-MG	Broadcom Trident3-X3			Broadcom Trident3-X5	Broadcom Trident3-X3		Broadcom Trident3-X5	Broadcom Trident3-X3
Form factor	1 U compact	1 U							
Performance									
Switch capacity (Gbps)	88	528	1080	576	1560	528	576	1560	528
Forwarding capacity (Mpps)	122	733	1500	800	2167	733	800	2167	733
Buffer size	4 MB	8 MB			32 MB	8 MB		32 MB	8 MB
Ports									
1GBase-T	4	24	-	48	-	24	48	-	24 (SFP)
5GBase-T Multigig (1/2.5/5G)	4	-							
10GBase-T Multigig (1/2.5/5/10G)	-	-	24	-	48	-	-	48	-
10G (SFP+)	2	4	-	4	-	4	4	-	4
25G (SFP28)		-	4	-	4	-	-	4	-
100GbE (QSFP28)	-	2 (Rear side) - Default for stacking							
Power-over-Ethernet ports	8x 802.3bt Type-4 (90W) PoE	24x 802.3at (30W) PoE	24x 802.3bt Type-4 (90W) PoE	48x 802.3at (30W) PoE	48x 802.3bt Type-4 (90W) PoE	-	-	-	-
Power and cooling									
Max power consumption (watts)	900	944	2740	1677	5344	201	212	480	224
Power options	AC	AC	AC	AC	AC	AC or DC	AC or DC	AC or DC	AC or DC
Internal power supplies	1 PSU included	2 hot swappable redundant power supplies. 1 PSU included, 2nd PSU optional.							
Redundant power	320W AC	1050W AC	1600W AC	1050W AC	1600W AC	550W AC or DC	550W AC or DC	550W AC or DC	550W AC or DC
Airflow	I/O to power supply. Fixed fans.	I/O to power supply. Supports field replaceable fans with N+1 redundancy.				I/O to power supply & power supply to I/O options. Supports field replaceable fans with N+1 redundancy.			
Features									
VLANs	4094								
VLAN support	Voice VLAN, Private Edge, Protocol and MAC-based, GVRP, 802.11x, Auto VLAN								
Layer 2 and 3	Layer 3 Advanced								
Jumbo frames	9216 bytes								
IPv4/IPv6 routing	IPv4 and IPv6 functionality including BGP, VRF, BFD, OSPFv2/v3								
Multicast routing	PIM-SM, PIM-SSM								
Rapid Deployment	Deploy switch configuration files, stacking commands, and firmware updates by simply inserting a USB device.								
Management and security									
Switch security	AAA authorization, TACACS+ accounting and RADIUS support for comprehensive secure access support.								
SNMP support	SNMPv1/2/3								
sFlow	Yes								
Management	GUI access via http/https. CLI via console, Telnet or serial connection.								

Series	PowerSwitch N2200 Series				PowerSwitch N1500 Series				N1100
Overview	Power-efficient and resilient 1/2.5G Multigig switching solution with 30/60W PoE support, for mid-to-large enterprise access deployments.				Power-efficient and resilient 1/10GbE switching solution with PoE.				Fully managed 1GbE Layer 2 switching
Models (all sized 1RU)	N2224X	N2248X	N2224PX	N2248PX	N1524	N1548	N1524P	N1548P	N1108EP-ON
NPU	Broadcom Hurricane3-MG				Broadcom Hurricane2				Broadcom Buckhound
Form factor	1 U				1 U				1 U compact
Performance									
Switch capacity (Gbps)	480	600	480	600	128	176	128	176	24
Forwarding capacity (Mpps)	667	833	667	833	128	164	128	164	18
Buffer size	4MB				1.5MB				1.5MB
Ports									
10/100/1000Base-T	1 Out of Band Management Port				24	48	24	48	8
1GbE (SFP)	-				-				2 (RJ45) & 2 (SFP)
2.5GBase-T	24	48	24	48	-				-
10GbE (SFP+)	-	-	-	-	4 SFP+ (auto-negotiate 1/10Gb)				-
25GbE (SFP28)	4				-				-
40GbE (QSFP+)	2				-				-
Power-over-Ethernet ports	-	-	12x30W, 24x60W	24x30W, 24x60W	-	-	24 PoE+	48 PoE+	8
Power and cooling									
Max. power consumption (watts)	238	326	1318	2486	30.2	44.6	871*	1704*	19.51
Power options	AC or DC	AC or DC	AC	AC	AC				AC
Redundant power	550W AC	550W AC	1050W AC	1600W AC	External RPS-720		External MPS-1000		-
Airflow	IO to PS, PS to IO		IO to PS		IO to PS				IO to PS; Pass through POE
Features									
VLANs	4094				512				512
VLAN support	Voice VLAN, Private Edge, Protocol and MAC-based, GVRP				Voice VLAN, Private Edge, Protocol-based, Auto VLAN				Voice VLAN, Private Edge, Protocol-based, Auto VLAN
Layer 2 and 3	Layer 3 Standard				Layer 2 with static routing				Layer 2 only
IPv4/IPv6 routing	IPv4/IPv6, OSPFv2/v3				IPv4/IPv6				-
Multicast routing	PIM-SM, PIM-SSM				PIM-SM, PIM-SSM				PIM-SM, PIM-SSM
Rapid Deployment	Deploy switch configuration files, stacking commands and firmware updates by simply inserting a USB device into the port				Yes				Yes
Management and security									
Switch security	Strong passwords, password masking, management access control - privilege levels. RADIUS and TACACS+ support, 802.1x port-based authentication.								
SNMP support	SNMPv1/2/3				SNMPv1/2/3				SNMPv1/2/3
sFlow	Yes				v1.3 draft 5				v1.3 draft 5
Management	GUI access via http/https. CLI via console, Telnet, SSH				GUI access via http/https. CLI via console, Telnet, SSH				GUI access via http/https. CLI via console, Telnet, SSH

* with external power supply

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For aggregation choices, including Dell EMC PowerSwitch S4100 and S5200 series, please see **Data Center Networking Quick Reference Guide**

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