Series	PowerSwitch E3200 Series			PowerSwitch N3200 Series		
Overview	High performance open networking 1GbE and 10GbE multigigabit switches for modern workloads at the network edge			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)	E3224F-ON	E3248P-ON	E3248PXE-ON	N3248P-ON	N3248PXE-ON	N3224F-ON
NPU	Broadcom Trident3-X3		Broadcom Trident3-X5	Broadcom Trident3-X3	Broadcom Trident3-X5	Broadcom Trident3-X3
Form factor	1U			1 U		
Performance						
Switch capacity (Gbps)	528	576	1560	576	1560	528
Forwarding capacity (Mpps)	733	800	2167	800	2167	733
Buffer size	8 MB	8 MB	32 MB	8 MB	32 MB	8 MB
Ports						
1GBase-T	24 (SFP)	48	-	48	-	24 (SFP)
5GBase-T Multigig (1/2.5/5G)	-			-		
10GBase-T Multigig (1/2.5/5/10G)	-	-	48	-	48	-
10G (SFP+)	4	4	-	4	-	4
25G (SFP28)	-	-	4	-	4	-
100GbE (QSFP28)	2 (Rear side)			2 (Rear side) - Default for stacking		
Power-over-Ethernet ports	-	48x 802.3at (30W) PoE	48x 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)	230	1683	4869	1677	5344	224
Power options	AC	AC	AC	AC	AC	AC or DC
Internal power supplies	2 hot swappable redundant power supplies. 1 PSU included, 2nd PSU optional.					
Redundant power	550W AC	1050W AC	1600W AC	1050W AC	1600W AC	550W AC or DC
Airflow	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						
Operating Systems	Dell SmartFabric OS10	Enterprise SONiC Distribution by Dell Technologies		Dell OS6	Enterprise SONiC Distribution by Dell Technologies, Dell OS6	Dell OS6
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-DM, PIM-SSM					
Rapid Deployment	Deploy switch configuration files 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. Port security 802.1x in N3248PXE, N3248X, N3248TE, E3248PXE , E3248P. MACsec support in E3248PXE-ON, N3248PXE-ON					
SNMP support	SNMPv1/2/3					
sFlow	Yes					
Management	CLI via console, Telnet or serial connection.			GUI access via http/https. CLI via console, Telnet or serial connection.		

Series	PowerSwitch N3200 Series						N1100
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.						Fully managed 1GbE Layer 2 switching
Models (all sized 1RU)	N3208PX-ON	N3224P-ON	N3224PX-ON	N3224T-ON	N3248TE-ON	N3248X-ON	N1108EP-ON
NPU	Broadcom® Hurricane3-MG	Broadcom Trident3-X3		Broadcom Trident3-X3		Broadcom Trident3-X5	Broadcom Buckhound
Form factor	1 U compact	1 U					1 U compact
Performance							
Switch capacity (Gbps)	88	528	1080	528	576	1560	24
Forwarding capacity (Mpps)	122	733	1500	733	800	2167	18
Buffer size	4 MB	8 MB		8 MB		32 MB	1.5 MB
Ports							
1GBase-T	4	24	-	24	48	-	8
5GBase-T Multigig (1/2.5/5G)	4	-					2 (RJ45) & 2 (SFP)
10GBase-T Multigig (1/2.5/5/10G)	-	-	24	-	-	48	-
10G (SFP+)	2	4	-	4	4	-	-
25G (SFP28)		-	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	-	-	-	8
Power and cooling							
Max power consumption (watts)	900	944	2740	201	212	480	19.51
Power options	AC	AC	AC	AC or DC	AC or DC	AC or DC	AC
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	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.			IO to PS; Pass through POE
Features							
Operating Systems	Dell OS6				Enterprise SONiC Distribution by Dell Technologies, Dell OS6		Dell OS6
VLANs	4094						512
VLAN support	Voice VLAN, Private Edge, Protocol and MAC-based, GVRP, 802.11x, Auto VLAN						Voice VLAN, Private Edge, Protocol-based, Auto VLAN
Layer 2 and 3	Layer 3 Advanced						Layer 2 only
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 and firmware updates by simply inserting a USB device.						Yes
Management and security							
Switch security	AAA authorization, TACACS+ accounting and RADIUS support for comprehensive secure access support. Port security 802.1x in N3248PXE, N3248X, N3248TE, E3248PXE , E3248P. MACsec support in E3248PXE-ON, N3248PXE-ON						Strong passwords, password masking, management access control - privilege levels. RADIUS and TACACS+ support, 802.1x port-based authentication.
SNMP support	SNMPv1/2/3						
sFlow	Yes						v1.3 draft 5
Management	GUI access via http/https. CLI via console, Telnet or serial connection.						GUI access via http/https. CLI via console, Telnet, SSH

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