Distributed by

BCDVɪᴅᴇᴏ™

BCD-DNS-N3000

Data Sheet

Professional 1U RJ45 PoE+
Layer 3 Network Switches

Enterprise 24 to 48 Port PoE+ Network Switch

The BCD-DNS-N3000 series network switches offer an enterprise gigabit /multigigabit ethernet switch solution for many scaling network infrastructures. The BCD-DNS-N3000 Series is both power-efficient and resilient, integrated with 10GbE uplinks for advanced Layer 3 distribution.

With 1GbE PoE+ ports providing 30W per port, or 2.5/5GbE PoE+ ports at 60W delivering clean power to your network, you can count on the BCD-DNS-N3000 to provide clean power to all network devices. These enterprise switches provide high availability and full bandwidth usage through multi-chassis link aggregation to create active, loop-free redundancy without spanning tree.

KEY FEATURES

- 24 to 48 PoE+ and 32 PoE/PoE+ ports configurations
- 2.5/5GbE PoE ports provide up to 60W of power
- 1GbE PoE+ ports provide up to 30W of power
- Ease of deployment enables convenient installations for any project.

Up to 48 Total Gigabit Ports, 8 2.5/5GbE and 4 SFP+ Ports

328Gbps Switch Fabric Capacity and 428Mpps Forwarding Rate

5-Year Warranty

Distributed by

BCDVIDEO™

BCD-DNS-N3000

Data Sheet

Professional 1U RJ45 PoE+
Layer 3 Network Switches

SYSTEM	
Maximum Number of Ports	(48) PoE Ports, up to (8) 2.5/5GbE Multigigabit ports, up to (4) 1G/10G SFP+ ports
PoE per Port	30W on PoE+ ports, up to 60W on multigigabit PoE ports
Static Routes	1,024 (IPV4), 1,024 (IPV6)
Dynamic Routes	8,160 (IPV4), 4,096 (IPV6)
Switch Fabric Capacity	Up to 328Gbps
Forwarding Rate	Up to 428Mpps
Flash Memory	Up to 512MB
CPU Memory	Up to 2GB
Total MAC Addresses	32K
Warranty	5-Year Warranty
MECHANICAL	
Form Factor	1U Rackmount
Maximum Power Consumption	2,145W
Power Supply(s)	(1) Internal 1100W | 100-240VAC, External 1000W | 100-240VAC supported
Max. Heat Dissipation	7,216.68 BTU/h
Operating Temperature	(Min) 32°F - (Max) 113°F [(Min) 0°C - (Max) 45°C]
Operating Humidity	5 ~ 95% Non-condensing
Dimensions (WxDxH)	17.08" x 16.02" x 1.71" (434mm x 407mm x 43.5mm)
Max. Weight	15.7 lbs (7.12 kg)
Regulatory	Australia/New Zealand: ACMA RCA Class A, Canada: ICES Class A; cUL, China: CCC Class A; NAL, Europe: CE Class A, Japan: VCCI Class A, USA: FCC Class A; NRTL UL; FDA 21 CFR 1040.10 and 1040.11, Eurasia Customs Union: EAC, Germany: GS mark, RoHS, EU WEEE, EU Battery Directive, REACH
IEEE Standards	802.1AB LLDP, 802.1D Bridging, Spanning tree, 802.1p Ethernet Priority, 802.1Q VLAN Tagging, Double VLAN Tagging, GVRP, 802.1S Multiple Spanning Tree (MSTP), 802.1v Protocol-based VLANs, 802.1W Rapid Spanning Tree (RSTP), 802.1X Network Access Control Auto VLAN, 802.2 Logicial Link Control, 802.3 10BASE-T, 802.3ab Gigabit Ethernet (1000BASE-T), 802.3ad Link Aggregation with LACP, 802.3ae 10 Gigabit Ethernet (10GBASE-X), 802.3at PoE+, 802.3AX LAG Load Balancing 802.3az Energy Efficient Ethernet, 802.3u Fast Ethernet (100BASE-TX), 802.3x Flow Control, 802.3z Gigabit Ethernet (1000BASE-X)