

Data Sheet

Entry Level 1U RJ45 PoE+
Layer 2/3 Network Switches

Midrange 24 to 48 Port Edge Network Switch with PoE+ Capabilities for Video Surveillance Projects

The resilient and web smart BCD-DNS-N2000 Series is a powerful line of edge network switches. With up to 48 gigabit PoE+ ethernet ports, 4 2.5GbE multigigabit ports, and up to 2 SFP+ uplink ports, this series of network switches is highly efficient in managing any IP Video surveillance task. The maximum PoE budget can be extended even further by adding an additional 1000W external power supply to attach more network devices.

KEY FEATURES

- Up to 48 PoE+ ports and 4 2.5GbE PoE ports
- 2.5GbE PoE ports provide up to 60W of power
- 1GbE PoE+ ports provide up to 30W of power
- Resilient hardware system structure for greater network stability



Up to 48 Total Gigabit Ports and 4 Multigigabit Ports



220Gbps Switch Fabric Capacity and 256Mpps Forwarding Rate



5-Year Warranty



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SYSTEM	
Maximum Number of Ports	(48) PoE Ports, up to (4) 2.5GbE 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	256 (IPv4), 128 (IPv6)
Dynamic Routes	256 (IPv4)
Switch Fabric Capacity	Up to 220Gbps
Forwarding Rate	Up to 256Mpps
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	1738W
Power Supply(s)	(1) Internal 1000W 100-240VAC, External 1000W 100-240VAC supported
Max. Heat Dissipation	6069.8 BTU/h
Operating Temperature	(Min) 32°F - (Max) 113°F [(Min) 0°C - (Max) 45°C]
Operating Humidity	5 ~ 95% Non-condensing
Dimensions (WxDxH)	17.33" x 13.78" x 1.73" (440mm x 350mm x 44mm)
Max. Weight	15.05 lbs (6.8 kg)
Regulatory	Australia/New Zealand: ACMA RCM 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 CF 1040.10 and 1040.11, Eurasia Customs Union: EAC, Germany: GS mark, EU WEEE, RoHS, EU Battery Directive, REACH
IEEE Standards	802.1AB LLDP, 802.1D Bridging, Spanning Tree, 802.1p Ethernet Priority (User Provisioning and Mapping), 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 Logical Link Control, 802.3 10BASE-T, 802.3ab Gigabit Ethernet (1000BASE-T), 802.3ac Frame Extensions for VLAN Tagging, 802.3ad Link Aggregation with LACP, 802.3ae 10 Gigabit Ethernet (10GBASE-X), 802.3at PoE+ (N2024P and N2048P), 802.3AX LAG Load Balancing, 802.3az Energy Efficient Ethernet (EEE), 802.3u Fast Ethernet (100BASE-TX) on Management Ports, 802.3x Flow Control, 802.3z Gigabit Ethernet (1000BASE-X)