

BCD-ALE-6900 Series

1U 10GbE/40GbE SFP+/QSFP+ Shortest Path Bridging Network Switches

HIGH PERFORMANCE SHORTEST PATH BRIDGING ENTERPRISE RACKMOUNT CORE SWITCHES

For mission critical projects requiring top of the line networking features, the BCD-ALE-6900 series of core switches provides the performance and resiliency needed for any video surveillance network demanding high availability. With both 10GbE and 40GbE configurations, these network switches offer extremely high throughput that is required for the most demanding video surveillance projects. The BCD-ALE-6900 series offers mission critical features, including Extensible LAN (VXLAN), Shortest Path Bridging (SPB), QoS, and Layer-2 and Layer-3 switching in addition to network and system resiliency.

IEEE 802.1aq, or Shortest Path Bridging, is supported, enabling fast convergence, quick video population times, and better PTZ control. Guarantee a network's availability with a simple to configure protocol, enabling high availability and maximum performance.

Reliability is guaranteed with internal, redundant, hot-swappable power supplies, in addition to a 3-year warranty with advanced next day replacement, guaranteeing operational status in any deployment.



BCD-ALE-6900-20X



BCD-ALE-6900-72X

KEY FEATURES

-  Up to 72 Total SFP+ and QSFP+ Ports
-  1.4Gp/s Throughput and 1.44Tb/s Switching Capacity
-  Resilient Hardware System Structure for Greater Network Stability
-  Hot Swappable Power Supplies and Fans
-  3-Year Warranty with Advanced Next-Day Replacement

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922
 TECH SUPPORT: support@bcdvideo.com | +1.844.462.2384

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SYSTEM

Maximum Number of Ports

72 Total Ports, (48) SFP+, (6) QSFP

Management Ports

Up to (1) RJ45 Ethernet Management Port and (1) Console Management Port

Expansion Slots

(1)

Max Switching Capacity

1.44Tb/s non-blocking

Throughput

1.4Gp/s

Latency

<650ns

Flash

4GB

Memory

8GB

Data Buffer

12MB

MECHANICAL

Form Factor

1U Rackmount

Maximum Power Consumption

Up to 242W

Power Supply(s)

(2) 450W | 100-240VAC (All Models)

Heat Dissipation

Up to 825 BTU/h

Operating Temperature

(Min) 32°F - (Max) 113°F [(Min) 0°C - (Max) 45°C]

Operating Humidity

5 ~ 95% Non-condensing

Dimensions (WxDxH)

19" x 22" x 1.73" (482.6mm x 559mm x 44mm)

Max. Weight

23.05 lbs (10.86 kg)

Warranty

3-Year, 24/7 Support with Advanced Next-Day Replacement

REGULATORY & STANDARDS

Regulatory

FCC 47 CFR Part 15 Class A, ICES-003 Class A, CE, EN55022:1998:2006 Class A, EN55024 :1998:A1: 2001+A2:2003, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, CISPR22:1997 Class A

IEEE Standards

IEEE 802.1D STP IEEE 802.1p CoS IEEE 802.1Q VLANs IEEE 802.1ad Provider Bridges Q-in-Q/ VLAN stacking IEEE 802.1ak (MVRP) IEEE 802.1aq Shortest Path Bridging (SPB) IEEE 80.1ab LLDP IEEE 802.1ag OAM IEEE 802.1Qaz ETS/DCBX IEEE 802.1 CEE 1.01 IEEE 802.1Qbb PFC IEEE 802.1s MSTP IEEE 802.1w RSTP IEEE 802.1X Port-based Network Access Control (PNAC). IEEE 802.3x Flow Control IEEE 802.3u Fast Ethernet IEEE 802.3z 1 GigE IEEE 802.3ab 1 GBASE-T IEEE 802.3ac VLAN Tagging IEEE 802.3ad/802.1AX Link Aggregation IEEE 802.3ae 10 GigE IEEE 802.3an 10 GBASE-T IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3ba 40 GigE IEEE 802.1x-2004 IEEE 1588-2008 (PTP)