

BCD-ALE-6860 Series

1U 1GbE RJ45/SFP+ Shortest Path Bridging Network Switches

HIGH PERFORMANCE AND HIGH AVAILABILITY 1U RACKMOUNT POE+/SFP+ NETWORK SWITCHES

The BCD-ALE-6860 multigigabit and 10GbE PoE+ network switches are powerful and versatile to fulfill a range of purposes. With advanced features this network switch takes on whatever task it needed. With a vast PoE budget of 1500W, as well as up to 48 gigabit ports, this switch can be deployed as an edge switch or a core switch for a small network.

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.



BCD-ALE-6860E-P24



BCD-ALE-6860E-P48

KEY FEATURES



Up to 48 Total Gigabit Ports with 4 SFP+ Uplink Ports



264Gb/s Raw Fabric Capacity and 256Gb/s Switching Capacity



Resilient Hardware System Structure for Greater Network Stability



Up to 1500W of PoE+ Power



3-Year Warranty with Advanced Next-Day Replacement

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SYSTEM

Maximum Number of Ports

(48) PoE, (4) 1G/10G SFP+ or (28) SFP, (4) SFP+

Management Ports

Up to (1) RS-232 and (1) Console Management Port, (1) Ethernet Management Port on BCD-ALE-6860E-U28

Total PoE Budget

1500W with (2) 920W power supplies

Total MAC Addresses

48,000

Total number of IPv4 Routes

64,000

Max Raw Fabric Capacity

254Gb/s

Max Switching Capacity

256Gb/s

Throughput

190.6Mpps (64-byte packet)

File System Flash

2GB

RAM

2GB

MECHANICAL

Form Factor

1U Rackmount

Power Supply(s)

(2) 600W | 100-240VAC (24 Port PoE Models)
(2) 920W | 100-240VAC (48 Port PoE Models)
(2) 150W | 100-240VAC (24 Port SFP+ Models)

Heat Dissipation

Up to 241.6 BTU/h

Operating Temperature

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

Operating Humidity

5 ~ 95% Non-condensing

Max. Dimensions (WxDxH)

19" x 13.78" x 1.73" (482.6mm x 350mm x 44mm)

Max. Weight

14.0 lbs (6.35 kg)

Warranty

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

REGULATORY & STANDARDS

Regulatory

47 CRF FCC Part 15: 2015 Subpart B (Class A) ICES-003:2012 Issue 5, Class A ANSI C63.4-2009 VCCI (Class A, with UTP Cables) AS/NZS 3548 (Class A) – C-Tick CE marking for European countries (Class A, with UTP Cables) CE EN 55032 (EMI & EMC) EN 55024 (Immunity) EN 50581 (RoHS Recast) EN 61000-3-2 EN 61000-3-3 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 IEEE 802.3: Hi-Pot Test (2250 VDC on all Ethernet ports)

IEEE Standards

IEEE 802.1D STP IEEE 802.1p CoS IEEE 802.1Q VLANs IEEE 802.1ab (LLDP) IEEE 802.1ag (OA&M) IEEE 802.1ad Provider Bridges Q-in-Q/ VLAN stacking IEEE 802.1ak (Multiple VLAN Registration Protocol (MVRP) IEEE 802.1aq Shortest Path Bridging (SPB) IEEE 802.1s MSTP IEEE 802.3i 10BASE-T IEEE 802.1w RSTP IEEE 802.3x Flow Control IEEE 802.3z Gigabit Ethernet IEEE 802.3ab 1000Base-T IEEE 802.3ac VLAN Tagging IEEE 802.3ad/802.1AX Link Aggregation IEEE 802.3ae 10 GigE IEEE 802.3af Power over Ethernet IEEE 802.3at PoE Plus IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3bz 2.5/5 GigE IEEE 802.3ba 40GBASE-X IEEE 802.1x-2004 IEEE 802.1ae MAC Security IEEE 1588-2008 (PTP)