

BCD-ALE-6560 Series

1U 1GbE PoE/10GbE SFP+ Layer 2/3 Network Switches

HIGH EFFICIENCY 24 TO 48 PORT EDGE NETWORK SWITCH OR 8 PORT CORE SWITCH

Reliable and powerful, the BCD-ALE-6560 enables a highly effective edge network switch solution with up to 48 1GbE PoE+ ports. An immense 1730W of PoE+ power is provided by redundant power supplies, and is available to power a variety of network devices. A 8 10GbE SFP+ port model provides high speed networking at the core with redundant power.

Optimized to provide a scalable and adaptable solution, this network switch allows for small to midrange networks to run flawlessly. Advanced Layer 2 and Layer 3 functionalities enable small to large projects to use top of the line features.



BCD-ALE-6560-P24Z8

KEY FEATURES



Up to 24 Total Gigabit Ports and 24 Multigigabit Ports



208 Mpps Switch Frame Rate and 280Gb/s Switching Capacity



Resilient Hardware System Structure for Greater Network Stability



Up to 1730W of PoE+ power



3-Year Warranty with Advanced Next-Day Replacement

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SYSTEM

Maximum Number of Ports

(24) PoE Ports, up to (24) 2.5GbE
Multigigabit ports, up to (4) 1G/10G SFP+
ports

Management Ports

(1) Console Management Port,
(1) Ethernet Management Port on BCD-
ALE-6860E-U28

Max PoE Budget

1730W

Total MAC Addresses

16,000

IPv4 Routes

256

IPv4 Interfaces

128

Max Raw Fabric Capacity

168Gb/s

Max Switching Capacity

280Gb/s

Throughput

208Mpps (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 (8 Port SFP+ Models)

Heat Dissipation

2047 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

10.1 lbs (4.58 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)
47 CRF FCC Part 15: 2015 Subpart B (Class A) VCCI (Class A limits. Note: Class A with UTP cables) ICES-003:2012 Issue 5, Class A AS/NZS 3548 (Class A) - C-Tick AS/NZS 3548 (Class A limits. Note: Class A with UTP cables) CE-Mark: Marking for European countries (Class A limits. Note: Class A with UTP cables) EN 50581: Standard for technical documentation for RoHS recast EN 55022 (EMI and EMC requirement) EN 55024: 2010 (ITE Immunity characteristics) EN 61000-3-2 (Limits for harmonic current emissions) 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 EN 61000-4-11 IEEE802.3: Hi-Pot Test (2250 VDC on all Ethernet ports)

IEEE Standards

IEEE 802.1D (STP) IEEE 802.1p (CoS) IEEE 802.1Q (VLANs) IEEE 802.1ad (Provider Bridge) Q-in-Q (VLAN stacking)* IEEE 802.1s (MSTP) IEEE 802.1w (RSTP) IEEE 802.1X (Port Based Network Access Protocol) IEEE 802.3i (10Base-T) IEEE 802.3u (Fast Ethernet) IEEE 802.3x (Flow Control) IEEE 802.3z (Gigabit Ethernet) IEEE 802.3ab (1000Base-T) IEEE 802.3ac (VLAN Tagging) IEEE 802.3ad (Link Aggregation) IEEE 802.3ae (10 Gigabit Ethernet) IEEE 802.3af (Power-over-Ethernet) IEEE 802.3at (Power-over-Ethernet) IEEE 802.3bt (Power-over-Ethernet) IEEE 802.3az (Energy Efficient Ethernet) IEEE 802.3bz (2.5GE Multi-Gigabit Ethernet)