

Data Sheet

Professional 1U RJ45
Layer 2 Network Switches

High Efficiency Professional 24 to 48 Port Edge Network Switch with HPoE Capabilities for Enterprise Projects

Reliable and powerful, the BCD-ALE-OS6560 enables a highly effective edge network switch solution with up to 24 gigabit ethernet ports and 24 multigigabit ports. An immense 1730W of PoE+ power is provided by redundant power supplies, and is available to power a variety of network devices. Optimized to provide a scalable and adaptable solution, this network switch allows for small to midrange networks to run flawlessly. Advanced Layer 2 and basic Layer 3 functionalities enable smaller projects to use top of the line features.

- Enable maximum network performance with 208 Mpps switch frame rates and 280Gb/s switching capacity.
- Up to 24 2.5GbE multigigabit ports provide up to 75W of HPoE for added power to network devices.
- Out of the box simplicity is guaranteed with automated provisioning.
- Reliability is provided through redundant power supplies and onboard hardware ensuring the security of your network's edge.

KEY FEATURES

- 24 PoE ports and up to 24 2.5GbE HPoE ports
- Dynamic PoE allocation
- Multigigabit HPoE ports provide up to 75W of clean power
- Hot-swappable power supplies
- Resilient hardware system structure for greater network stability



Up to 24 Total Gigabit Ports and 24 Multigigabit Ports



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



Up to 1730W of PoE+ power



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



BCD-ALE-OS6560-P24Z8

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

Copyright © 2018, BCDVideo. All rights reserved. This document is provided for information purposes only. The contents are subject to change without notice.

Data Sheet

Professional 1U RJ45
Layer 2 Network Switches

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-OS6860E-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
Warranty	3-Year, 24/7 Support with Advanced Next-Day Replacement
MECHANICAL	
Form Factor	1U Rackmount
Maximum Power Consumption	600W
Power Supply(s)	(1) Internal 600W 100-240VAC, Up to (2) External 920W 100-240VAC
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
Dimensions (WxDxH)	17.33" x 13.78" x 1.73" (440mm x 350mm x 44mm)
Max. Weight	10.1 lbs (4.58 kg)
Regulatory	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)