

Data Sheet

Professional 1U RJ45
Layer 2 Network Switches

Professional 10 to 48 1GbE Port Edge Network Switch for Efficient PoE Use

Reliable and powerful, the BCD-ALE-OS6350 enables a highly effective edge network switch solution with up to 48 gigabit RJ45 ports. A 780W of PoE power 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. Layer 2 functionalities enable smaller projects to function with high performance.

- Enable maximum network performance with 154 Mpps switch frame rates and 104 Gb/s switching capacity.
- Up to 48 1GbE ports provide up to 30W of PoE for added power to network devices.
- Out of the box simplicity and deployment reliability is guaranteed with automated switch setup and configuration.
- Support for up to 4000 VLANs provide efficient network segmentation for reliability and video data traffic optimization.

KEY FEATURES

- Up to 48 1GbE PoE ports
- Dynamic PoE allocation
- Resilient hardware system structure for greater network stability



Up to 48 Total Gigabit Ports



154Mp/s Switch Frame Rate and 104Gb/s Switching Capacity



Up to 780W of PoE power



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



BCD-ALE-OS6350-P48



BCD-ALE-OS6350-P24

Alcatel-Lucent 
Enterprise

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SYSTEM	
Maximum Number of Ports	Up to (48) 1GbE PoE Ports and (4) 1G/10G SFP+ uplink ports
Max PoE Budget	780W
Total MAC Addresses	16,000
IPv4/IPv6 Routes	8 / 4
IPv4/IPv6 Interfaces	8 / 4
Max Switch Frame Rate	154Mp/s
Max Switching Capacity	104Gb/s
Warranty	3-Year, 24/7 Support with Advanced Next-Day Replacement
MECHANICAL	
Form Factor	1U Rackmount
Power Supply(s)	(1) Internal 900W 100-240VAC, Up to (2) External 900W 90-240VAC
Heat Dissipation	Up to 2661 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)	17.32" x 15.2" x 1.73" (440mm x 386mm x 44mm)
Max. Weight	15 lbs (6.8 kg)
Regulatory	EMI/EMC, FCC CRF Title 47 Subpart B, VCCI, AS/NZS 3548, CE-Mark, RoHS, EN 55022, EN 61000-3-3, EN 61000-3-2, EN 55024, IEEE802.3, EN 50581, IEC 60950, EN 60950, UL 60950, EN 60950-1, CAN/CSA-C22.2, NOM-019 SCFI, AS/NZ TS-001 and 60950, UL-AR, UL-GS, IEC 60825-1 Laser, IEC 60825-2 Laser, CDRH Laser
IEEE Standards	IEEE 802.1D (STP), IEEE 802.1p (CoS), IEEE 802.1Q (VLANs), 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 802.3af (Power-over-Ethernet), IEEE 802.3at (Power-over-Ethernet), IEEE 802.3az (Energy Efficient Ethernet)