

**Data Sheet**Enterprise 1U SFP+/QSFP+  
Layer 3 Network Switch**High Density, Maximum Performance  
Enterprise 1U Rackmount 10GbE to  
40GbE Network Switches**

For mission critical projects requiring top of the line networking features, the BCD-ALE-OS6900 series provides the performance and resiliency needed. With both 10GbE and 40GbE, SFP+ and QSFP+ configurations, these network switches offer extremely high throughput that is required for the most demanding video surveillance projects. The BCD-ALE-OS6900 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.

- Enable maximum network performance with throughput rates up to 1.4Gp/s, switching capacity of 1.44Tb/s, a data buffer of 12MB, and a sub 650ns latency.
- IEEE 802.1aq Shortest Path Bridging enables high network availability and maximum use of all physical connections and routed services.
- Out of the box simplicity is provided with automated provisioning and the ability to manage multiple switches at once.
- Reliability is provided through power supply and fan redundancy, as well as smart continuous switching technology.



BCD-ALE-OS6900-X72F



BCD-ALE-OS6900-X20F

**KEY FEATURES**

- 20 SFP+ and 48 10GbE SFP+ with 6 40GbE QSFP+ configurations
- Shortest Path Bridging for high availability
- Hot swappable power supplies and fans
- Resilient hardware system structure for greater network stability

**Up to 72 Total SFP+ and QSFP+ Ports****1.4Gp/s Throughput and  
1.44Tb/s Switching Capacity****3-Year, 24/7 Support with  
Advanced Next-Day Replacement**

## Data Sheet

Enterprise 1U SFP+/QSFP+  
Layer 3 Network Switch

SYSTEM	
<b>Maximum Number of Ports</b>	72 Total Ports, (48) SFP+, (6) QSFP
<b>Management Ports</b>	Up to (1) RJ45 Ethernet Management Port and (1) Console Management Port
<b>Flash</b>	4GB
<b>Memory</b>	8GB
<b>Data Buffer</b>	12MB
<b>Max Switching Capacity</b>	1.44Tb/s non-blocking
<b>Throughput</b>	1.4Gp/s
<b>Latency</b>	<650ns
<b>Expansion Slots</b>	(1)
<b>Warranty</b>	3-Year, 24/7 Support with Advanced Next-Day Replacement
MECHANICAL	
<b>Form Factor</b>	1U Rackmount
<b>Maximum Power Consumption</b>	Up to 242W
<b>Power Supply(s)</b>	(2) 450W   100-240VAC
<b>Heat Dissipation</b>	Up to 825 BTU/h
<b>Operating Temperature</b>	(Min) 32°F - (Max) 113°F [(Min) 0°C - (Max) 45°C]
<b>Operating Humidity</b>	5 ~ 95% Non-condensing
<b>Dimensions (WxDxH)</b>	17.06" x 22" x 1.73" (433mm x 559mm x 44mm)
<b>Max. Weight</b>	23.05 lbs (10.86 kg)
<b>Regulatory</b>	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
<b>IEEE Standards</b>	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)