BCD584X-SAN

Enterprise 5U 84-Bay SAN Storage Series

ENTERPRISE 5U 84-BAY HIGH DENSITY SAN STORAGE FOR CRITICAL VIDEO DATA

BCD's 5U 84 Bay SAN storage array is the security integrator’s answer for high scaling video data requirements. The BCD584XSAN offers maximum read/write performance by optimizing enterprise 12G dual-port SAS drives. Storage options provide up to 2PB of raw storage in a single unit, with up to 3 5U expansion units providing a maximum of 8PB of raw storage.

Flexibility of deployment and data throughput is provided by employing either 16Gb fibre channel or 10Gb iSCSI connectivity. High availability features include a wide variety of RAID storage options, hot swappable, redundant power supplies and fans, hot swappable drives and RAID controllers, automatic failover, and multi-path support.

This system is covered by BCD’s standard 5-year, on-site, next business day, Keep Your Hard Drive warranty. With the combination of high throughput and the latest enterprise storage technology, this SAN storage array is ideal for effectively storing and archiving video data.

KEY FEATURES

- Up to 1.68PB per 5U Chassis
- SAN Storage
- Enterprise SAS Drives
- Redundant Power
- ADAPT (Distributed RAID), RAID 0,1,5,6,10
- 5-Year, On-site, NBD, Keep Your Hard Drive Warranty

FOR MORE INFORMATION: bcdvideo.com | sales@bcdinc.com | +1.888.305.4993

TECH SUPPORT: support@bcdinc.com

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DATASHEET

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SYSTEM

Connectivity

16Gb Fibre Channel

10Gb iSCSI

Expansion Chassis Supported

Up to 9 - 2U Expansions per 2U Head End

Up to 3 - 5U Expansions per 2U Head End

Up to 3 - 5U Expansions per 5U Head End

Management

PowerVault Manager (HTML5)

CLI Dell AIOps (with ProSupport)

OpenManage Enterprise (OME)

Memory

32GB (16GB per Controller)

Operating Systems Supported

Windows 2025, 2022, 2019

RHEL 9.x, 8.x

SLES 15.x,12.3

VMware 8.x

Ports

Head End: (8) Fibre Channel or (8) SFP+, (8) Multi-protocol

Expansion: (4) Fibre Channel or (4) SFP+,(4) Multi-protocol

Processor(s)

Intel® Xeon® Processor

Virtualization

VMware vSphere (ESXi) vCenter; SRM Microsoft Hyper-V

MECHANICAL

Dimensions (WxDxH)

48.30 cm (19.01 inches) x 981mm (38.62 inches) x 22.23 cm (8.75 inches)

Form Factor

5U Rackmount

Heat Dissipation

7507 Max BTU/hr

Manufacturer

BCD

Max. Weight

135.00 kg (298.00 lbs)

Operating Humidity

-12C dew point minimum, 8% to 85% maximum, non-condensing

Operating Temperature

5°C - 35°C (41°F - 95°F, derated by 1°C per 300mm above 900m)

Power Supply(s)

(2) 2200W (200-240VAC)

*Note: There is no option for a 110VAC version

Warranty

5-Year, On-site, NBD, Keep Your Hard Drive Warranty

STORAGE

Hard Drive Bays

(84) 3.5” Bays

Hard Drives Supported

SAS

Maximum Storage

Up to 2PB

8PB with Expansion

RAID

RAID 1, 5, 6, 10, or ADAPT RAID

RAID Controller

Dual RAID Controllers

Regulatory

UL 60950-1 (United States)

CAN/CSA-C22.2 No.60950-1-07 (Canada)

EN 60950-1 (European Union)

IEC 60950-1 (International)

CCC (China PRC – CCC Power Supplies)

BIS (India – BIS Power Supplies) FCC CFR 47 Part 15 Subpart B Class A (United States)

ICES/ NMB-003 Class A (Canada)

EN 55022/EN 55032:2012 Class A (EU)

AS/NZS CISPR 22/ CISPR 32 Class A (Australia/New Zealand)

VCCI Class A (Japan)

KN 22/KN 32 Class A (S. Korea)

CNS 13438 Class A (Taiwan) EN 61000-3-2 (EU) EN 61000-3-3 (EU) EN 55024 (EU)

KN 24/ KN 35 (S. Korea) The RoHS Directive (2011/65/EU)

The WEEE Directive (2012/19/EU)

The REACH Directive (EC/1907/2006),The Batteries Directive (2006/66/EC) Australia/New Zealand (RCM)

Canada (cUL/ICES/NMB-003 Class A)

China (CCC – PSU only)

European Union (CE)

Japan (VCCI)

South Korea (MSIP)

Taiwan (BSMI)

United States (FCC/UL)

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