



# satablade

PERFORMANCE SATA FROM NEXSAN

## OVERVIEW

SATABlade is a powerful and cost effective storage system designed for businesses that require the benefits and superior performance of a scalable SATA solution in a very high density, low profile form factor. SATABlade features individual drive independence within a unique 1U high physical architecture that allows easy access to eight hot swappable SATA drives. Supporting the latest 10K SATA drives, SATABlade delivers stunning performance for all storage requirements and can be easily optimized to meet either performance or capacity requirements - up to 3.2 terabytes in 1U.

## EXTREME DENSITY

In an industry where the demand for increased storage density and reduced footprint is a paramount factor, Nexsan Technologies has pioneered two very distinct features that directly contribute to the real world reliability and system usability/versatility of our extreme density solutions. Nexsan engineers accepted the challenge of developing a new breed of systems to directly address the first question traditionally associated with compact, high density designs. How will you manage the heat?

SATABlade is the only 1U disk based storage system engineered to provide the benefits of unrestricted front-

to-back air flow. By incorporating hot pluggable fan packs in the front and rear of the unit, along with an innovative horizontal top load design, Nexsan has delivered an extreme density storage solution that provides superior cooling for optimal thermal operation. SATABlade's unique wind tunnel design forces cooling air to be drawn over and under each disk drive providing the maximum in thermal protection.

Rather than placing multiple disk drives on a single card or sled, Nexsan engineers have utilized individual drive carriers to provide flexibility in configuration and drive replacement options.. This approach to individual drive isolation provides the ultimate protection in reducing Accumulative Rotational Vibration transfer. This unique feature advantage is the first line of defense in eliminating drive errors and assuring drive integrity, ultimately providing faster read/write access to your data and extending disk drive life. The result of these innovations is a solution that delivers superior TCO.

Nexsan's top load design with individual drive independence and unrestricted airflow has positioned the SATABlade as the clear industry leader providing unsurpassed features, flexibility and reliability.

For a detailed explanation of the SATABlade's unique design advantages contact your Nexsan sales representative.





## ADVANCED FEATURES

- Continual event monitoring with active user notification.
- Dynamic spare pooling and dedicated spares; array verification.
- All major components are hot swap supported
- Tele-Guard™ - Active/Dynamic phone home notification.
- Active array status monitoring; adjustable stripe width; automatic sector re-mapping.
- User-settable priorities for dynamic array reconstruct, verify, create and expand operations.
- Centrally or remotely managed dynamic storage pooling and virtual volume allocations.
- System security password protected.
- Serial port access.
- All system settings are stored in non-volatile flash memory in case of accidental power loss.
- Dual hot pluggable power supplies
- Alarm status displayed on the events page directly translated from and associated with the occurrence.
- Auto rescan - initiates automatic system scans for real-time "Correct Status" reporting for all RAID arrays and connected disk drives.
- Parity Scrub / Array Verify scheduling - User defined automatic repair of all configured arrays.
- Redundant 320 watt power supplies
- 32 luns SUPPORTED

## TECHNICAL SPECIFICATIONS

### External Host Interface / Channels

Dual 2-gigabit Fibre Channel host ports SPF LC  
Dual GigE host ports upgradeable to iSCSI

### Internal Device Interface / Channels

Eight SATA/150 device channels

### Data Transfer Rates

Up to 320 MB/s read & 190 MB/s write configured with  
RAID 5

### Power Supply

Dual 230W

### Supports RAID Levels

0, 1, 4, 5, 1+0



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