

# RAIDking Technologies, Inc.

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## **RAIDking™ N20S**

**12 Bay 8 Gbit Fibre to SAS / SATA III RAID**

### **Technical Specs & Leasing Information:**

**Host Interface:** Dual 8 Gbit Fibre  
**Data Transfer Rate:** Up to 8 Gbit/sec.  
**Number of Host Channels:** 2  
**External Connector Type:** Fibre SFP

**Controller CPU:** 1.2GHz IOP CPU, PCIe 2.0 bandwidth  
**Cache Memory:** 2 GB - Upgradeable to 4 GB  
**Disk Interface:** 6 Gbit SAS / SATA III / SSD  
**Number of Disk Channels:** 12  
**Storage Configurations:** 12 x 2 TB, 3 TB or 4 TB Enterprise Grade hard disks  
**Hot Swap Disk Trays:** 12 x 3.5" hot-swappable trays  
**Hot Swap Fans:** 2 x Smart Cooling Modules  
**Hot Swap Power Supplies:** 2 x 400 Watt, Redundant, High Efficiency  
**AC Input Voltage:** 100 - 240V (+/- 10%), 47 to 63 Hz  
**Cache Backup:** Optional Battery-free cache backup mechanism available  
**RAID Levels:** JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID  
**RAID Features:**

- Global and local hot spare
- Background Initialization
- Selective rebuild mode
- Selective initialization sequence
- Online RAID level and stripe size migration
- Online disk group expansion
- Online capacity modification
- Online defragmentation
- Online volume management
- Online disk cloning
- Online disk scrubbing
- Online drive traveling and array roaming
- Online array recovery
- RoHS compliance
- Support Self Encrypting Drives (SED)
- Scalable up to 120 drives with optional JBOD modules
- Easy configuration and management through intuitive GUI
- Energy efficient with High Efficiency Power Supplies, Smart Cooling Mechanism & Automatic Disk Stand-by

**Advanced Data Reliability Assurance:** SMARTCor. Functions (DST, DS, DC)  
**Front Panel LCD and Buttons:** Easy access for configuration and status reports  
**RS-232 Terminal:** User Friendly interface for configuration and status reports  
**Web browser GUI:** Embedded CGI-based GUI management interface  
**Event Notification:** Built-in buzzer, e-mail, and SNMP

**Humidity:** 20% to 85% non-condensing  
**Operating Temp:** 5 C to 40 C  
**Non-Operating Temp:** -25 C to 60 C  
**Safety Regulatory:** UL, CUL, CB  
**EMC Standard:** FCC, CE, C-Tick, BSMI

**Warranty:** RAID = 3 Years Parts & Labor / Hard Disks = 5 Years from date of manufacture  
**Physical Dimensions:** 485 (W) x 565 (D) x 176 (H) MM **(2U high)**  
19.1 (W) x 22.2 (D) x 6.9 (H) Inches

## **Lifetime Technical Support Included Free of Charge!**

**\*Lease this RAID** with 24 TB of Enterprise Grade Storage, Spare Parts Kit, 4 GB Memory Upgrade, Extra Hard Disk & Extended Warranty on a 48 month lease for **only \$347/month!** At the end of the lease term you purchase the RAID from the leasing company for only \$100, and it's yours to keep.

This provides you with all the tax benefits of leasing, while you keep your capital where it belongs - in your business! At the end of the lease term you now own a quality RAID storage solution, which is sure to serve you well for several more years.

\*Subject to credit approval