



## NetCOR™ 6000 *iSCSI/IP-SAN storage*

### HIGH AVAILABILITY SAS IP-SAN / iSCSI NETWORK STORAGE FOR THE ENTERPRISE



#### KEY FEATURES

- 15 to 51 SAS or SATA drives up to 51TB
- Flexible iSCSI / fibre-channel combo models available
- Simple 6-Step Setup and configuration
- StorSAN™ Manager web-based GUI
- High-Performance INTEL® PENTIUM Architecture
- N+1, Zero Down time Redundancy
- High Performance RAID 0/1/5/10
- Modular / Field Replaceable design

#### ZERO-DOWNTIME ARCHITECTURE

The NetCOR™ 6000 IP-SAN/iSCSI disk arrays provide secure, highly scalable and redundant network SAN storage for your Windows, Macintosh and Linux server networks.

NetCOR™ 6000 offers, industry-leading, high availability features with active failover capability, 72 hour battery-backed cache protection and full redundancy and serviceability for controllers, power supplies, fans and hard drives. Every component is hot swappable without interruption to service or loss of data.



The sophisticated mirrored battery backed cache and path failover capabilities give the NetCOR™ 6000 best-in-class system fault tolerance. The only component that is not redundant is the mid-plane which has been designed to be fully passive with no active components that could risk a system failure. Each system offers a full set of RAID configurations (RAID 0, 1, 5, 10) and a full suite of storage provisioning and security features.

#### SIMPLE & FLEXIBLE

At the center of every NetCOR™ 6000 is the integrated StorSAN™ Manager operating system. StorSAN™ Manager will help assign and manage network settings, iSCSI parameters and RAID volumes all from one easy-to-use interface. The 6-Step setup wizard makes

NetCOR™ easy to install and simple to administer yet StorSAN™ is robust enough to

handle critical management, consolidation, and data protection needs. StorSAN™ also manages both iSCSI and fibre-channel (model specific) storage connections making it the most flexible SAN solution available.

Each NetCOR™ 6000 system allows for expansion of up to 3 high-performance SAS or SATA disk arrays giving network servers up to 51 TB of raw storage. With the Multi-path IO management, each NetCOR™ system provides expansion arrays with dual data channels and seamless failover down to the last drive. Storage is centralized under a single StorSAN™ Manager console simplifying storage management for multiple servers in a single network environment.

#### PERFORMANCE DRIVEN

The NetCOR™ 6000 IP-SAN has been designed on a world-class INTEL® Pentium 4 platform to ensure reliability and performance. Combined with industry leading RAID technology and SAS/SATA II disk drives, NetCOR™ 6000 provides best-of-breed network storage with robust RAID fault tolerance.



# NetCOR™ 6000 *iSCSI/IP-SAN storage*

## HARDWARE SPECIFICATIONS

### 6000 Single Controller iSCSI



#### Capacity - Model Number

*iSCSI, 1GbE, 2-PORT, SINGLE CONTROLLER*

(iSCSI BASE MODELS - NO hard drives installed)  
 SINGLE CONTROLLER - N6000S  
 SINGLE CONTROLLER w/Fibre - N6000FS

#### System Specifications

- Processor(s): INTEL® PENTIUM-4
- Single Controller (optional- 2nd Controller)
- Memory: DDR, 1GB, Persistent
  - 72 Hr. cache battery backup
- Max # Hard Disks: 15 SATA (7200) or SAS (15K)
- Drive Trays included: 15 Trays for SAS/SATA
- Data Connections:
  - (2) iSCSI 1GbE
  - (2) Fibre Channel 2Gb (N6000FS only)
- Management Ports: (2) 1GbE
- Expand: (1) x1 3Gbps SAS (1 per controller)
  - Up to (3) SAS expansion arrays (36 drives)
- RAID: 0,1,5,10, global spare auto rebuild

#### Physical Specifications

- Dimension: 3U, 5h x 17.5w x 25d inches
- Hot-Swap & Redundant: PSU, Fans
- Op. temp: 10° C to 35° C (50° F to 95° F)
- Op. Humidity: 10% to 90% Non-condensing

#### NetCOR Management

- StorSAN™ manager console w/ remote mgmt
- Telnet and Serial console management
- SNMP mgmt (Enterprise MIB), iSNS
- Component health monitoring
- Volume Management (256 LUNs)
- Online Capacity expansion
- Point-in-Time Snapshot (max. 205 Snapshots)
- LUN masking, Chap authentication
- Drive diagnostics, drive inspection
- Bad sector reconstruction
- Auto drive rebuild with global hot spare

### 6000 Dual Controller iSCSI



#### Capacity - Model Number

*iSCSI, 1GbE, 4-PORT, DUAL CONTROLLER*

(iSCSI BASE MODELS - NO hard drives installed)  
 DUAL CONTROLLER HA - N6000D  
 DUAL CONTROLLER HA w/Fibre - N6000FD

#### System Specifications

- Processor(s): INTEL® PENTIUM-4
- Dual Controller (Fail-over)
- Memory: DDR, 2GB, Persistent / Mirrored
  - 72 Hr. cache battery backup
- Max #Hard Disks: 15 SATA (7200) or SAS (15K)
- Drive Trays included: 15 Trays for SAS/SATA
- Data Connections:
  - (4) iSCSI 1GbE (2 per ctrl.)
  - (4) Fibre Channel 2Gb (N6000FD only)
- Management Ports: (4) 1GbE (2 per ctrl.)
- Expand: (2) x1 3Gbps SAS (1 per controller)
  - Up to (3) SAS expansion arrays (36 drives)
- RAID: 0,1,5,10, global spare auto rebuild

#### Physical Specifications

- Dimension: 3U, 5h x 17.5w x 25d inches
- Hot-Swap & Redundant: Controllers, PSU, Fans
- Op. temp: 10° C to 35° C (50° F to 95° F)
- Op. Humidity: 10% to 90% Non-condensing

#### NetCOR Management

- StorSAN™ manager console w/ remote mgmt
- Telnet and Serial console management
- SNMP mgmt (Enterprise MIB), iSNS
- Redundant OS w/ component health monitor
- Active-active controller failover
- IP and disk group failover
- Volume Management (256 LUNs)
- Online Capacity expansion
- Point-in-Time Snapshot (max. 205 Snapshots)
- LUN masking, Chap authentication
- Drive diagnostics, drive inspection
- Bad sector reconstruction
- Auto drive rebuild with global hot spare

### 200e Expansion ARRAY



#### Capacity - Model Number

*SATA/SATA JBOD ARRAY, FOR USE W/ iSCSI*

(BASE MODELS - NO hard drives installed)  
 SINGLE CHANNEL SAS ARRAY - N200ES  
 DUAL CHANNEL SAS ARRAY - N200ED

#### (SATAII 7200 RPM DISK DRIVES EXPANSION)

(500GB) - 500SATA (1000GB) - 1000SATA  
 (750GB) - 750SATA

#### (SAS15K RPM DISK DRIVES EXPANSION)

(146GB) - 146SAS (400GB) - 400SAS  
 (300GB) - 300SAS

#### System Specifications

- Single or Dual Channel SAS I/O Modules
- Max # Hard Disks: 12 SATA (7200) or SAS (15K)
- Drive Trays included: 12 Trays for SAS/SATA
- Data Connections:
  - (3) x4 12 Gbps SAS Ports (Single Channel)
  - (6) x4 12 Gbps SAS Ports (Dual Channel)
- Expand: Daisy-Chain capable
  - Up to (3) SAS expansion arrays per iSCSI

#### Physical Specifications

- Dimension: 2U, 3.5h x 17.9w x 27d inches
- Hot-Swap & Redundant: PSU, Fans
- Op. temp: 10° C to 35° C (50° F to 104° F)
- Op. Humidity: 10% to 90% Non-condensing

### NetCOR 6000 Warranty / Support

#### Standard Warranty (included)

- Hardware Limited Warranty: 3 Years
- Toll-Free Technical Phone Support: 3 Years
- Online Technical Support: 3 Year

#### Platinum Package (optional upgrade)

- Hardware Limited Warranty: 3 Years
- 24/7 Toll-Free Phone Support: 3 Years
- Same-Day On-Site, 4-hr response : 3 Years
- Advanced Parts Replacement : 3 Years



www.kanotechnologies.com  
 phone (866) 500-KANO  
 fax (714)379-4541  
 11522 Markon Drive  
 Garden Grove, CA 92841

WWW.KANOTECHNOLOGIES.COM