

# ID RACK MOUNT NETWORK STORAGE APPLIANCES

## Reliable, High Capacity Storage Servers

Intelligent Decisions (ID) offers a wide variety of high quality desktops, notebooks, high-performance servers, and storage appliances designed to meet the unique needs of your business. When it comes to selecting the best performing and most price competitive solution, ID has set the standard for uncompromised quality, reliability, and delivery. And with its security facility clearance, ID can meet the most stringent security requirements of both government and commercial clients.

For more information, or to speak with a Technical Engineer to discuss options, please contact us at [idedge@intelligent.net](mailto:idedge@intelligent.net) or **1.800.929.8331**



The IDEdge family of networked storage (iSCSI) SAN appliances is designed to be modular, rack mountable, reliable and easy to install, while at the same time remaining powerful and affordable. An alternative to Fibre Channel and native SCSI, the IDEdge line of products leverage the iSCSI protocol for affordable and reliable SANs. These appliances are designed on standard server building blocks, providing powerful networked SAN and NAS software.

The NLC series appliances are advanced iSCSI, OS independent networked storage network platforms. These products run with Windows, Linux, Unix and mixed network environments. System management is implemented by a Web Browser-based administration, therefore, a dedicated machine is not required to manage your SAN/NAS.

### PRODUCT FEATURES

- **StorageEdge NLC 1004** 1U 4 hot swappable bays
- **StorageEdge NLC 2008** 2U 8 hot swappable bays
- **StorageEdge NLC 2012** 2U 12 hot swappable bays
- **StorageEdge NLC 3016** 3U 16 hot swappable bays
- **StorageEdge NLC 5024** 5U 24 hot swappable bays

The StorageEdge NLC series supports redundant power supplies, hot-swap hard drives, hot-swap fans and Dual Intel® Xeon™ and AMD Opteron™ processors. This series improves on current enterprise and corporate data center's scalability. Advanced network and security features (IPv6, IPSec, Kerberos) is also incorporated.

### FEATURES & BENEFITS

#### Chassis Features

- Supports industry standard SAN, NAS, or RAID controllers and server board up to 12" x 13"
- Redundant, hot-swap cooling fans, disk drives and built-in environment controller to ensure data protection
- High confidence 3 year limited warranty
- Metallic drive trays for better heat dissipation and smoother insertion/extraction
- Thick gauge of sheet metal for maximum chassis rigidity and protection of valuable electronics

#### Performance

- High reliability SAS, SATA II (3Gb/s) and native Serial ATA
- Maximum density drive bays for lower cost per MB

- Supports industry's fastest and largest disk drives
- BBU for cache write back

#### Scalability

- 2.0 TB in the NLC 1004, 4.0 TB in the NLC 2008, 6.0 TB in the NLC 2012, 8.0 TB in the NLC 3016, and 12.0 TB in the NLC 5024 with 500GB hard disks
- Supports SAS, SATA II (3Gb/s) and native Serial ATA. (SCSI available upon request)
- Designed for JBOD, NAS, RAID, SAN and server architecture to offer flexible solutions

### TECHNICAL SPECIFICATIONS

#### System Architecture

- SAS, SATA II (3Gb/s) and native Serial ATA

#### Hot SWAP/Redundant Components

- HD drives, power supplies, and cooling fans

#### Maximum Capacity/Enclosure

- **StorageEdge NLC 1004:** Up to 2.0 TB with 500GB HDD
- **StorageEdge NLC 2008:** Up to 4.0 TB with 500GB HDD
- **StorageEdge NLC 2012:** Up to 6.0 TB with 500GB HDD
- **StorageEdge NLC 3016:** Up to 8.0 TB with 500GB HDD
- **StorageEdge NLC 5024:** Up to 12.0 TB with 500GB HDD

#### Dimensions

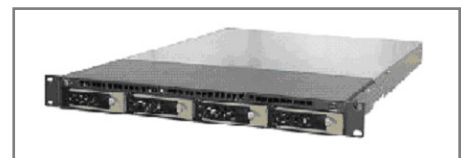
- **StorageEdge NLC 1004:** 1.75"(H) x 19.00"(W) x 26.50"(D)
- **StorageEdge NLC 2008:** 3.50"(H) x 19.00"(W) x 26.50"(D)
- **StorageEdge NLC 2012:** 3.50"(H) x 19.00"(W) x 26.50"(D)
- **StorageEdge NLC 3016:**

5.25"(H) x 19.00"(W) x 28.00"(D)

- **StorageEdge NLC 5024:** 8.75"(H) x 19.00"(W) x 28.00"(D)

#### Power Requirements

- **StorageEdge NLC 1004:** Fixed, up to 600W
- **StorageEdge NLC 2008:** Redundant/Fixed, up to 700W
- **StorageEdge NLC 2012:** Redundant/Fixed, up to 600W
- **StorageEdge NLC 3016:** Redundant/Fixed, up to 950W
- **StorageEdge NLC 5024:** Redundant, up to 1350W



# CONTRACT MANUFACTURING

As an experienced OEM in both commercial and Federal markets and with quality and security standards stringent enough to meet the demands of the Intelligence Community, you can feel confident in selecting ID to help you bring unique solutions to market. From white boxes to security appliances, we can assist with every aspect of the manufacturing process. Our Contract Manufacturing Business Model has been designed to help you select the right services for your clients.

## **Commitment to Quality**

At ID, commitment to quality is the foundation of our business. Coupled with the ability to maintain a competitive edge as well as a strategic focus, we are able to give our clients the necessary tools to be successful in today's fast-paced business world. ID's 44,000 square foot, state-of-the-art manufacturing and integration facility is ISO 2000 registered and carries a security facility clearance. All of our products are of the highest quality and are sourced from authorized distributors ensuring that the finished product exceeds our client's expectations.

## **Design Review**

All of our clients have distinctive and specific application requirements that are crucial to the success of their business. Part of the value that ID offers is a high-level of customization and design flexibility to meet the most detailed requirements. Unlike other companies, we don't offer standard server configurations that you must choose from for your appliance server. To guarantee that our solution will meet business and product requirements, we first schedule a design review. During this review, we determine performance as well as what specialized hardware components will be required. In addition, our engineers complete a Form Factor Review to determine if there are unique chassis dimensions or environmental requirements. Finally, private branding is offered to all of our clients.

## **System Prototype**

ID works with clients and suppliers to have a rapid prototype created. We are an Intel Premier Provider, the highest level of partnership available to systems integrators from Intel Corporation. Our strong relationship allows us access to Intel's top engineers as well as pre-released products, ensuring that the solution our clients receive incorporates the most current technologies. ***We leverage our relationship with suppliers to help you bring your product to market quickly.*** Because we manufacture everything on-site, Intelligent Decisions can guarantee rapid response, secure integration, quality assurance and timely delivery.

## **Build to Order**

Intelligent Decisions is Intel's largest system builder in the Mid-Atlantic area. Our long-term relationship with Intel provides us with unparalleled service and products. This partnership provides ID, and ultimately our clients, with many benefits including: advanced training on all Intel products, access to Intel engineers, 24 hour parts replacement, product reservation for clients to ensure availability based on sales forecasts and input to Intel product development teams for future products.

## **Client Support Services**

ID offers various support services that can be customized to meet your needs. They include:

- Maintenance
  - Telephone Support
  - Server/Part Replacement
- Training
- Engineering
- Marketing
- Secure Integration Process
  - Configuration Support
  - Integration Services
  - Security and Quality Services
  - Asset Tagging
  - Hard Drive Imaging
  - Logistics Services

## **Partners**

- Intel
- CiDesign
- Kingston
- LSI Logic
- Hitachi
- Western Digital
- Microsoft
- Red Hat