



The Newisys® NDS-1122 integrated storage server offers up to 48 terabyte (TB) of capacity using 4 TB hard drives (HDDs) in a compact one rack unit (1U) form-factor that also includes two mSATA boot drives. It is available as a complete storage server, and the Atom C2000 mini-ITX server board is also available separately.

Developed as a flexible solution for storing unstructured data at the petabyte scale, the NDS-1122 is ideally suited for use in Erasure Coded arrays and other large scale-out storage solutions. Common applications for the platform include primary storage, object storage, photo sharing, near-line storage, archival and back-up. It supports both cold storage and higher performance work-loads in a single platform.

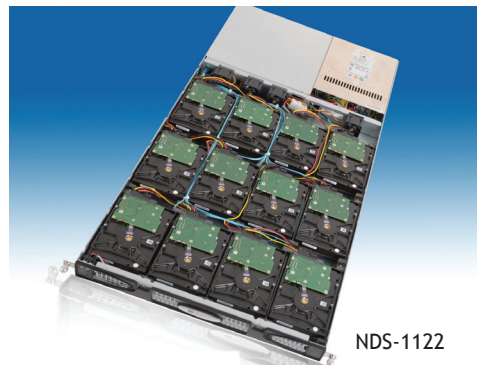
The NDS-1122 is designed for easy implementation in 1U increments, and offers full enterprise-class management and serviceability. The system is able to use desktop SATA hard disk drives because of an innovative drive mounting design that virtually eliminates rotational vibration. The system also includes individual disk drive power control to reduce power consumption and overall

total cost of ownership. The system offers N+1 cooling and the option for redundant hot-swappable power supplies for maximum reliability. With excellent thermal management and extremely low temperature rise, the storage server can be operated in high ambient temperature environment of up to 45 degrees Celsius.

Newisys, a product division of Sanmina Corporation, provides advanced data center products including disk-based storage server appliances, JBOD storage systems and other products for a variety of data center and storage applications. Newisys solutions are tailored for integration into OEMs, System Integrator and Internet Data Center partners' products, reducing development and operating costs while improving time-to-market. More information is available at [www.newisys.com](http://www.newisys.com)

**Product Highlights**

- Data Storage**
  - 12 x LFF 3.5" SATA HDD (48 TB Max.)
  - Individual Drive Power Control
- Boot Device**
  - 2 x mSATA Boot Drives
- Motherboard**
  - Mini-ITX
- CPU**
  - Intel Atom C2000 Processor
- Memory**
  - 2 x DIMM Slots (64 GB Max.)
- Network**
  - 2 x 10GbE ports
  - 4 x 1GbE ports
- Form Factor**
  - W17.72" x H1.7" x D34"
- N+1 Fans**
- 2 x Redundant Power Supplies**
- External Ports:**
  - 1 x External Serial Port
  - 2 x External USB Port
  - 1 x VGA Port
  - 1 x PS/2 KB/Mouse
- Management Solution**
  - Out of Band Remote Management: IPMI 2.0



NDS-1122

- Contact Newisys:**  
 30 East Plumeria Drive  
 San Jose, CA 95134  
 Toll-free: 855 639 7838  
 International: +1 408 964 3730  
[www.newisys.com](http://www.newisys.com)