

Video 1 (layer 1) ▶

Video 2 (layer 2) ▶



## High-Performance 10 GigE NAS Storage



As the volume and value of business data continue to rise, corporations require high performance storage solutions that are secure, reliable, and easy to manage. The Ciphertex 10-Bay NAS serves as both IP-SAN (iSCSI) and NAS and can be easily utilized in different business and enterprise applications such as backup center, disaster recovery, file sharing, virtualization, and video editing.

Data in an open network may seem easily accessible, but the Ciphertex 10-Bay NAS offers a variety of security options such as encrypted access, IP filtering, policy-based automatic IP blocking, and more. In addition, secure data management can be achieved by controlling access rights to determine who can access the Ciphertex 10-Bay NAS and who cannot. The built-in AES-256 volume-based encryption prevents sensitive data from unauthorized access and data-breach even if the hard drives or the device is stolen.

### Highlights

- CAPACITY: UP TO 40 TB
- NAS, iSCSI, IP-SAN storage solution
- VMware, Citrix and Hyper-V ready
- AES 256-bit Encryption
- 10 GigE ready reaching over 1,000 MB/s and 100,000 IOPS
- Multi-core processor, DDR3, SATA 6Gb/s, and USB 3.0

## Reliable

With hot-swap capabilities and advanced RAID configurations, the Ciphertex 10-Bay NAS offers the highest level RAID protection with reduced rebuilding time. Moreover, the dual OS embedded on the DOM architecture ensures the system will boot up. If one of the two operating systems fails, the healthy operating system will boot up and operate normally while repairing the failed operating system. The dual Gigabit LAN ports can also be configured for failover which allows the NAS server to sustain the failure of one network port and still provide continuous service.

## Simple

The user-friendly GUI interface allows a user to easily setup and manage the Ciphertex 10-Bay NAS without any IT skills. All setup processes have been simplified so that most of the process is either automatic or can be completed by an installation wizard. A S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) feature and system resource monitor are provided to keep administrators up-to-date on their NAS at all times.

## High Performance

The Ciphertex 10-Bay NAS features Intel® Core™ i3 Processor, 2GB DDR3 memory, 10 Gigabit network capability, and 6Gb/s SATA. With an outstanding data transfer rate of over 1,000 MB/s data throughput and 100,000 IOPS, intensive business applications and concurrent tasks can be easily fulfilled.

## NAS + iSCSI/IP-SAN Solution for Server Virtualization

With increasing virtualization of IT resources, the need for high performance storage is more essential than ever. Ciphertex 10-Bay NAS offers class-leading system architecture matched with 10 GigE networking performance designed to meet the needs of demanding server virtualization, such as VMware®, Citrix®, and Windows® Hyper-V. 10 GigE network speeds greatly increase the agility of data transmission in a virtualized environment intensifying NFS and iSCSI connection performance.

## High Network Bandwidth

The Ciphertex 10-Bay NAS offers network expansion options which include dual-port 1 GigE and dual-port 10 GigE network expansion cards, to aggregate and boost network performance. The Ciphertex 10-Bay NAS includes two Gigabit LAN ports which can be expanded to four GigE LAN ports or two 10 GigE LAN ports plus two GigE ports.

## Blazing Fast Data Backup via USB 3.0

The Ciphertex 10-Bay NAS features USB 3.0 ports for high speed backup to external hard drives. EXT3, EXT4, NTFS, and HFS+ file systems are supported to ensure compatibility with Windows, Mac® OS X, and Linux operating systems.

## Disaster Recovery Solution

The Ciphertex 10-Bay NAS offers users peace of mind, business continuity, and high availability of data by providing the ability to recover their data from disasters.

