



MISSION-CRITICAL DATA PROTECTION SYSTEMS



**Ciphertex-Protect®
Encryption Key**



UP TO
480
TB HDD

SecureNAS CX-160KSD-X

Class-Leading Throughput and IOPS with Large Encrypted Tiered Storage Capacity

Supporting up to sixteen hot-swappable 3.5" HDDs and two internal 2.5" SSDs, the **Ciphertex SecureNAS CX-160KHD-X** is a high-capacity, rugged, and reliable enterprise NAS powered by an Intel® Xeon® D(4, 8, or 16 Core) processor. Built-in Intel® AES-NI provides integrated support to enable fast and secure data encryption and decryption for a wide range of cryptographic applications, such as bulk encryption/decryption, random number generation, and authenticated encryption, providing strong security while also reducing performance impact. Designed to optimize enterprise IT infrastructure, the **Ciphertex SecureNAS CX-160KHD-X** comes with two PCIe expansion slots that support 10GbE/40GbE NIC, PCIe SSD, as well as graphics cards. Incorporating security and scalability, the 16-bay NAS presents an ideal choice for a complete business-ready storage solution with cross-platform file sharing, comprehensive backup and disaster recovery, iSCSI & virtualization, and many other business applications. The Secure NAS's rugged enclosure ensures military-grade durability and protection. For additional security, this system also includes a FIPS-certified encryption key that can be used for locking and unlocking encrypted volumes.

Features

- Intel® Xeon® processor D-1518 4-Core, with optional 8 and 16-Core expandability, featuring the latest 14nm energy-efficient SoC
- Dual 10GbE fiber & copper expandability for highly-efficient virtualization and intensive data transmission
- LCD display for real-time information and easier system management
- Compartmentalized smart cooling; detects CPU and hard drive temperatures to dynamically control fan speeds for quieter operation
- High-quality hardware enables optimum performance to fulfill diversified applications
- Supports four DDR4 memory modules for a maximum of 128GB RAM
- Centralized management solution for networked computing devices
- Supports centralized storage, backup, sharing, and disaster recovery
- **Maximum Data Security**
Protect data storage, both at rest and in transit with Ciphertex SecureNas®
 - FIPS 140-2 Level 3 Certified
 - NIST 800-88 Compliance
 - AES-256 Encryption
 - HIPAA Compliance
 - Hardware Encryption Key
 - Key Lifecycle Management
 - Multi-Factor Authentication
- Each key serial number syncs with the SecureNAS® serial number and customizable password
- Optional 5 year warranty (3 years included)

Ciphertex CX-Linux OS Software

The new Ciphertex Linux-based CX-Linux OS, featuring ZFS has the ability to maintain the utmost data integrity. Not only does our OS inherit the native features of ZFS, its powerful features ensure persistent, reliable storage management, protection against data corruption, seamless capacity expansion, several data integrity mechanisms, as well as pool and disk encryption protection.

ORGANIZATIONS WORLDWIDE TRUST THEIR DATA TO CIPHERTEX

