



MISSION-CRITICAL DATA PROTECTION SYSTEMS



Ciphertex-Protect®  
Encryption Key



UP TO  
**272**  
TB HDD/SSD

# SecureNAS CX-120KSD-X

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

Supporting up to eight hot-swappable 3.5" HDDs, up to four SSDs, plus up to two more SSDs internally, the **Ciphertex SecureNAS CX-120KHSD-X** is a fully-loaded, 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 for fast, low-overhead encryption that provides platform verification to enable strong security while also reducing performance impact for efficiently managing tiered data storage locally on a single **Ciphertex SecureNAS CX-120KHSD-X** appliance. Designed to optimize enterprise IT infrastructure, the **Ciphertex SecureNAS CX-120KHSD-X** comes with two PCIe slots that support 10GbE/40GbE NIC, PCIe SSD, as well as graphics cards. Incorporating security and scalability, the **Ciphertex SecureNAS CX-120KHSD-X** 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 **Ciphertex SecureNAS CX-120KHSD-X** rugged enclosure ensures military-grade durability. 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
- One built-in M.2 SATA 6GB/s slot to provide the greatest flexibility in tiered storage configuration with native high speeds that empower SSD caching
- 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 amazing 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

