

UP TO
1.44PB
NVMe



FIPS rugged portable encrypted NVMe server



Ciphertex-Protect® Encryption Keys



Ciphertex-Protect® Encryption Key

All SecureNAS® systems include a protective lockable door and a FIPS 140-2 certified encryption key to further protect both your physical

NAS and data. Each key serial number syncs with the SecureNas® serial number and customizable password.

SecureNAS® Enterprise CX-2400K NVMe-R FIPS Server

Ciphertex's FIPS Mechanical Design Storage Solution

Secure data anywhere with Ciphertex® Portable Rackmount for ultra-low latency response rates and fast, reliable performance. Experience high-performance applications with our cutting-edge transportable SecureNAS® Server. These energy-efficient rackmount servers excel in diverse workloads and workflows and are built equipped with AMD EPYC 7003 series processors, with the option to add NVIDIA A2 GPU. Our Secure NAS® FIPS rack delivers exceptional performance across various assignments, producing faster results to increase business productivity. Whether dealing with professional computing tasks, data center operations, or engineering workloads, our servers offer the ideal solution for your most demanding requirements. Choose from a wide range of form factors to suit your specific needs. Our SecureNAS® servers provide the flexibility for optimal performance designed to adapt seamlessly to your infrastructure. At Ciphertex®, we prioritize reliability and durability. Built with robust components to ensure long-term performance and stability, our Transportable SecureNAS® Server gives you the confidence to tackle any workload easily.

Highlights:

- Dual 10G base-T LAN for highly-efficient virtualization and intensive data transmission
- ZFS RAIDZ configurable: Mirror, Stripe Set, RAIDZ1, RAIDZ2, RAIDZ3
- Compartmentalized smart cooling: detects CPU and drive temperatures to dynamically control fan speeds for ultra-quiet operation
- High-quality hardware enables optimum performance to fulfill diversified applications
- Supports DDR4 RDIMM (3200MHz), LRRDIMM (2666MHz), NV DIMM (2666MHz)
- Centralized storage, backup, sharing, and Business Continuity and Disaster Recovery
- Optional 5-year warranty (3 years included)

Maximum Data Security

- FIPS 140-2 Level 3 Certified and Hardware Encryption Ciphertex-Protect® Key (Once activated, the system volumes are only accessible when Encryption key is utilized)
- NIST 800-88 Compliance
- AES-256 Encryption
- Each key serial number syncs with the SecureRack® serial number and customizable password
- Key Lifecycle Management
- Instant Secure Erase (ISE) Enabled
- Rsync Supported
- USB Blocker for Enhanced Security

RhinOS 24.1 (Operating System)

The RhinOS 24.1 featuring ZFS can maintain the utmost data integrity. Not only does our OS inherit the amazing native features of ZFS, it ensures 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®



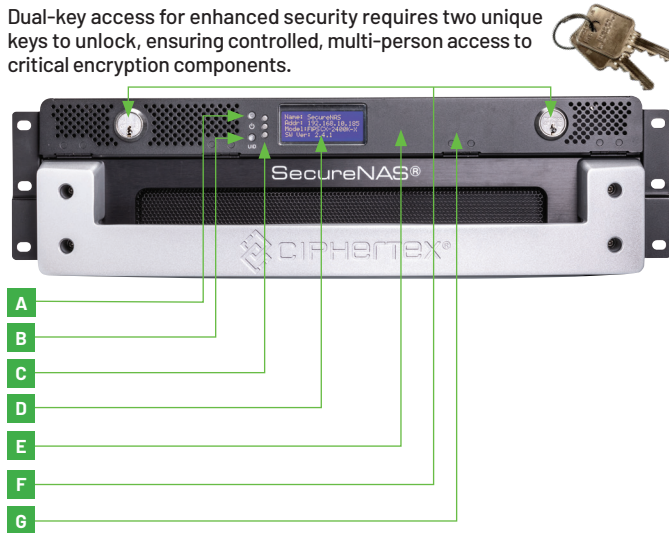
SPECIFICATIONS

PERFORMANCE CPU	AMD EPYC 7003 series
CORES/CACHE	4 Cores (upgradable to 8 and 16 Cores), 8 Threads /6MB Cache
MEMORY CAPACITY	Up to 128GB; Unbuffered ECC/non-ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots
DIMM SIZES	4GB, 8GB, 16GB, 32GB
MEMORY VOLTAGE	1.2V
ERROR DETECTION	Corrects single-bit errors Detects double-bit errors (using ECC memory)
SAS2	Broadcom 2116 SW controller for 16 SATA3 (6Gpbs) ports; SAS2 and SATA3

NETWORK CONTROLLERS	Dual LAN with 10G SFP+ from D-1500 SoC; Dual LAN with 1GbE w/Intel® I210
GRAPHICS	Aspeed AST2400 BMC
LED INDICATORS	Status/Power, USB, LAN
PUSH BUTTONS	Power, Reset, Copy
TEMPERATURE	0 - 60°C (32°F ~ 140°F)
SMART FAN	1x 12cm (12V DC)
WEIGHT	32 lbs (w/o drives)
SIZE	Height: 5.06" (128.524 mm) Width: 20.64" (524.256 mm) Depth: 17.24" (437.896 mm)

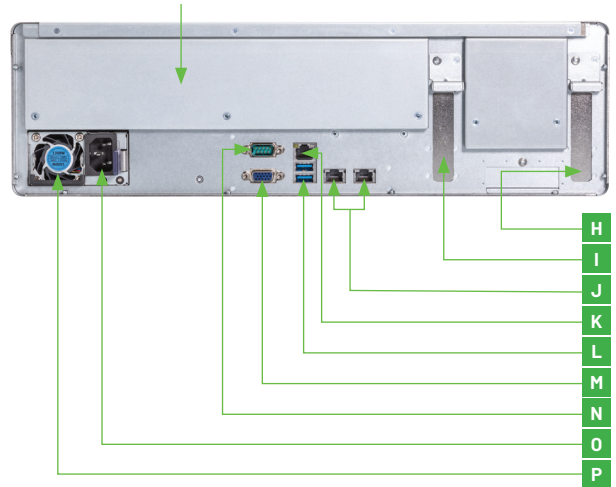
All product specifications and data are subject to change without notice to improve security, reliability, function, design or otherwise.

Dual-key access for enhanced security requires two unique keys to unlock, ensuring controlled, multi-person access to critical encryption components.



- A** - Power Button
- B** - Unique Identifier LED
- C** - LED Indicators
- D** - LCD Display
- E** - Enter/Arrow Buttons
- F** - Dual FIPS Key Locks
- G** - USB-C FIPS Key Port
- H** - PCIe for NVIDIA GPU Option

Behind this Panel features Intelligent Cooling where smart thermal management adjusts airflow independently, optimizing cooling where needed for peak performance.



- I** - PCIe Extension
- J** - RJ-45 1GbE (2)
- K** - IPMI Port
- L** - USB 3.0 (Type-A Ports)
- M** - DB15 VGAPort
- N** - DB15 VGAPort
- O** - Power Connector
- P** - Cooling Fan



All SecureNAS® systems feature a durable, reliable, recessed handle for ease of transport without taking up valuable real estate.



Custom Transport Cases are the optimal solution for migrating or transporting large amounts of data safely and efficiently. Military Environmental test lab certified.



All SecureNAS® systems include a protective lockable door and a FIPS 140-2 certified encryption key to further protect both your physical NAS and data.



FCC CE COMPLIANCE - Designed/Assembled/Integrated/ Tested in the USA using domestic and/or foreign components. Made in the U.S.A.



(2) Ciphertex-Protect® Encryption Keys are seamlessly integrated with RhinOS 24.1 and offer superior authentication for your SecureNAS®. These encryption keys support FIPS 140-2 level 3 security standard. See quick-start guide for pairing instructions.