CIPHERTEX®
data security

7.6 TB

CX-2500E-SSD

NIST/FIPS 140-2 (Level 3) Certified Encrypted Data Transfer in Your Pocket Up to 7.6TB of SSD Storage

With it's compact, rugged design with NIST/FIPS 140-2 (Level 3) Certified Cryptographic Modules, the CX-2500E-SSD makes it simple to secure and encrypt all your content including high resolution videos, photos, and mission-critical files. Your data can only be accessed with an AES 256-bit encryption with NIST and FIPS Data Encryption Key (DEK) for worry-free transportation and storage of the drive.

Features

- USB 3.0 Connectivity. Includes long; 32" enterprise USB 3.0 cable
- FIPS 140-2 Certified, AES-256 encryption (may be used for classified data)
- 7.6TB of Encrypted SSD Storage
- Bus-powered and bootable encryption enables secure program and data access via external drive

- AES 256-bit Advanced Encryption Algorithym
- Zero time encryption and decrypting – no loss in drive performance
- Heat sink rugged aluminum enclosure for enhanced cooling and protection
- Shock absorbers protect drive and suppress noise
- 2 Year warranty

Experience the Ciphertex CX-2500E-SSD Advantage

The CX-2500E-SSD is the go-to FIPS 140-2 (Level 3) Certified, AES 256-bit encrypted mobile security drive for forensics, healthcare, media and entertainment, and government/military agencies. The easy to use Data Encryption Keys (DEK) make it possible to encrypt and secure your data while in transit or away from your device.

- Keeps data encrypted and secure, preventing unauthorized access
- Unique Data Encryption Keys (DEK) Unlock the drive – No need to remember a password
- Authentication: 2 Data Encryption Keys (DEK); Additional keys available

CX-2500E-SSD

STORAGE	7.6TB Enterprise Class SSD
SPEED	5400 or 7200 RPM
POWER CONSUMPTION	Bus-powered
	Max continuous power: 180W
TEMPERATURE	0 - 40°C (32°F ~ 104°F)
CONNECTIVITY	USB 3.0

SIZE	Height: 0.7" (19mm)
	Width: 2.3" (80mm)
	Depth: 5.1" (130mm)
	Weight: 0.5lbs
COMPLIANCE	FCC, CE, TAAC

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

Encryption Features

- Key tokens for secure authorization
- Hardware encryption imbedded in chip
- No software installation required for encryption or authentication

- FIPS 140-2 (Level 3) Certified Cryptographic Engine
- NIST Certified Cryptographic Engine
- Compatible with Windows and Macintosh environments

Additional Drive Features

- Three performance/endurance levels
  ECO
  PRO
  MAX
- TCG Enterprise compliant self-encrypting drive (SED)
- SATA 6 Gb/s interface
- 512-byte sector size support
- Native command queuing support with 32-command slot support
- Performance (steady state)[1]
  Sequential 128KB read: Up to 540 MB/s
  Sequential 128KB write: Up to 520 MB/s
  Random 4KB read: Up to 95,000 IOPS
  Random 4KB write: Up to 75,000 IOPS
- Quality of Service[2]
  Read/Write (99.9%): 200μs/300μs (<2TB)
  Read/Write (99.999%): 1000μs/700μs (<2TB)
- Endurance[4]: Total bytes written (TBW)
  Up to 17600TB

- Reliability
  MTTF: 3.0 million device hours[3]
  Static and dynamic wear leveling
  Uncorrectable bit error rate (UBER): <1 sector per 1017 bits read
  End-to-end data protection
  Enhanced power-loss data protection with data protection capacitor monitoring
- Power consumption: <6.0W (TYP, 5V only)
- Operating temperature
  Commercial (0°C to 70°C)[5]

1. Performance varies by capacity and endurance.
2. 4KB transfers QD = 1 used for READ/WRITE latency values.
3. The product achieves a MTTF based on population statistics not relevant to individual units.
4. 1GB = 1 billion bytes.
5. As reported by SMART.

CX-2500E-SSD Available in two capacities

- SSD22E038.3   3.8TB   SSD Drive
- SSD22E076.3   7.6TB   SSD Drive

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