

# The DIGISTOR Product Line

DIGISTOR provides secure, self-encrypting storage solutions for protecting Data at Rest (DAR) in military, government, critical infrastructure, and commercial applications. The range of DIGISTOR SSDs includes CSfC-listed pre-boot authentication (PBA), Common Criteria (NIAP listed), FIPS-certified, TCG Opal, industrial class, and commercial class SSDs. DIGISTOR storage is also pre-integrated into VaultDisk and CRU removable drives. In addition, DIGISTOR SSDs are ideal for addressing DoD, CSfC, Zero Trust, CMMC, HIPAA, PCI-DSS, GLBA, GDPR, CCPA, and other data security requirements.

**DIGISTOR**<sup>®</sup>  
SECURE DATA STORAGE

## Citadel C Series SSDs for Securing Data at Rest

CSfC- and NIAP-listed protection against unauthorized access to laptops, desktops, and servers



**Built-In Pre-Boot Authentication**



**Non-Recoverable Key Protection**



**Unreadable Storage Partition Renders Data Invisible**

## Citadel C Series

### Key Features

- Access data at full speed, unlike BitLocker
- Multi-factor authentication (MFA)
- PBA admin and management capabilities
- FIPS-validated versions available (NIST Certificates #3926 and #4294)
- TCG Opal 2.0 versions available

### Citadel C-PBA

- Up to 2TB
- Pre-boot authentication for drive access
- FIPS versions constitute a complete CSfC layer in a two-layer solution

### Citadel C-SEL

- All the features of Citadel C-PBA
- Real-time protection from physical and remote attacks

### Citadel C-ADV

- All the features of Citadel C-SEL
- Access logs that cannot be wiped capture all insider threat activity
- Retire or repurpose SSDs safely with verified device erasure
- Self-defending firmware protects against ransomware by making data invisible if the included Cigent software service is disabled



## Citadel C Series + CRU SHIPS Removables

- Make Citadel C Series removable so you can securely transport data in air-gapped environments at NVMe speeds

## Compatibility

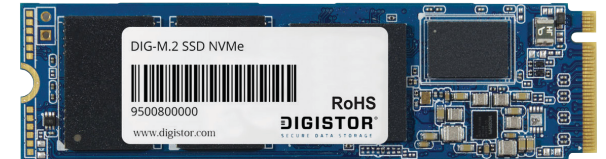
- 2.5-inch SATA, M.2 2280 SATA, M.2 2280 NVMe
- PCIe Gen 3 x4

## Usage

- Affordable CSfC solutions for DoD, Federal agency, and critical infrastructure
- Easily integrates into off-the-shelf hardware
- Conform to CMMC, HIPAA, GDPR, GLBA, PCI-DSS, and CCPA



## Secure, Self-Encrypted Drives (SEDs)



### FIPS-Validated SSDs

#### Key Features

- CSfC- and NIAP-listed (CCEVS-VR-VID11297-2023)
- FIPS-validated (NIST Certificate #3926)
- Up to 2TB
- Tamper-evident coating shows evidence of physical tampering
- Secure Firmware: Secure digital signatures and boot-time attestation help protect against low-level attacks
- AES 256-bit hardware encryption

#### Compatibility

- 2.5-inch SATA, M.2 2280 NVMe, M.2 2280 SATA
- SATA III, PCIe Gen 3 x4

#### Usage

- Store controlled unclassified information
- Add key management for a complete security solution

### TCG Opal 2.0 SSDs

#### Key Features

- Up to 30.72TB
- AES 256-bit hardware encryption ensures access to files at full speed without waiting on software to decrypt/encrypt them

#### Compatibility

- 2.5-inch SATA, 2.5-inch U.3, M.2 2230 NVMe, M.2 2280 NVMe, M.2 2280 SATA
- SATA III, PCIe Gen 3 x4 NVMe, PCIe Gen 4 x4

#### Usage

- Store confidential data
- Add key management for a complete security solution

# Commercial, Industrial, and Enterprise SSDs

Non-Encrypting and Self-Encrypting SSDs



## Commercial Class

### Key Features

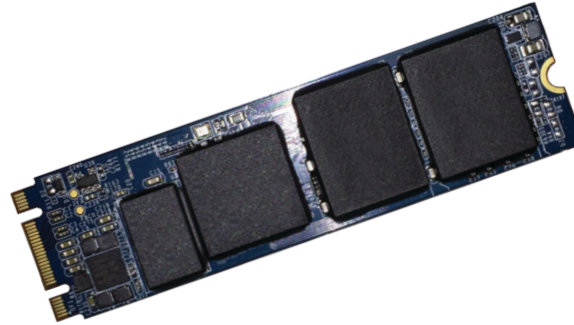
- Up to 16TB
- Cost-effective combination of performance and reliability

### Compatibility

- 2.5-inch SATA, M.2 2230 NVMe, M.2 2280 NVMe, M.2 2280 SATA
- SATA III, PCIe Gen 3 x4, PCIe Gen 4 x4

### Usage

- Laptops and desktops
- Unclassified or non-sensitive data
- Scientific and engineering modeling and analysis
- AI
- Video production
- Visualization



## Industrial Class

### Key Features

- Up to 7.68TB
- FIPS Certified version available (NIST Certificate #3926)
- Extreme temperature versions operate between -40°C – 85°C
- Low power consumption
- Locked BOM and locked firmware versions available

### Compatibility

- 2.5-inch SATA, mSATA, M.2 2280 NVMe, M.2 2280 SATA
- SATA III, PCIe Gen 2 x4

### Usage

- Extreme temp versions allow operation in extreme cold or heat
- Standard versions allow non-operational storage in extreme cold or heat
- Store data in extreme temperature environments



## Enterprise Class

### Key Features

- Up to 30.72 TB
- Power Loss Data Protection (Pfail) versions available
- High Device Writes Per Day (DWPD) versions available
- Certain capacities are VMware certified and VSAN listed
- Computational storage drives available

### Compatibility

- 2.5-inch SATA, 2.5-inch U.3, 2.5-inch U.2, M.2 2280 NVMe, M.2 22110 NVMe
- SATA III, PCIe Gen 4 x4

### Usage

- Tactical servers
- File/web servers
- Content delivery network
- Virtualization
- Cloud and hyperscale storage
- Media streaming and VOD



## CRU SHIPS Environment

### Standardized Removable PCIe/NVMe Storage

SHIPS is the fastest and most robust way to transport and secure data in air-gapped environments or move large volumes of data for offloading or ingestion.

Use the SHIPS module interchangeably across multiple devices equipped with receiving frames. These frames fit into standard drive bay sizes, including 5.25-inch, 3.5-inch, and 9mm ODD slots.

#### Key Features

- SHIPS modules include Citadel, FIPS-validated, TCG Opal, and commercial class storage
- Lock SHIPS modules physically into place
- Robust removability up to 10,000 insertions (compared to the tens of insertions found in competitive alternatives)

#### Compatibility

- Use in any workstation, laptop, drone, device, or specialized vehicle equipped with a SHIPS receiving frame
- Operates at up to NVMe Gen 4 speeds

#### Usage

- Physical data security when locking up storage is mandatory
- Physical data transport or transfer when the internet is insecure or not fast enough
- Air-gapped and cross-domain environments
- ISR and other applications where fast offloading of secure DAR matters



#### CRU QX118 Kit

##### Unique Features

- Ingestion dock fits in 9mm ODD slots
- Dock holds one (1) DIGISTOR SHIPS module



#### CRU QX448 Kit

##### Unique Features

- Ingestion dock fits in 5.25-inch drive bays
- Dock holds four (4) DIGISTOR SHIPS modules



#### CRU QX328 Kit

##### Unique Features

- Ingestion dock fits in 3.5-inch drive bays
- Dock holds two (2) DIGISTOR SHIPS modules



**DIGISTOR SHIPS Modules** are interchangeable with each SHIPS receiving frame which provides cross-platform compatibility for physical data security and transport.

# VaultDisk® and Removable Drives for Rugged Dell Systems

## Removable SSDs for Dell Workstations



### VaultDisk Mini Series 1

#### Key Features

- Up to 8TB
- FIPS Certified (NIST Certificate #3926)
- TCG Opal 2.0 versions available

#### Compatibility

- M.2 PCIe Gen 3 x4 NVMe, M.2 PCIe Gen 4 x4 NVMe
- For Dell Precision 7770/7670
- For use with Dell Precision's quick release bay



### Removable Drives for Dell Latitude 5430 Rugged/7330 Rugged Extreme Laptops

#### Key Features

- Up to 2TB
- FIPS Certified versions available (NIST Certificate #3926)



### VaultDisk Mini-26128

#### Key Features

- Up to 2TB
- TCG Opal 2.0 versions available

#### Compatibility

- M.2 SATA SSD inside
- For Dell OptiPlex 7090/7080/7060/7050/7040/7000 SFF/5060/3060 and Dell XE4 SFF
- Kits include installable VaultDisk insertion bay



### Removable Drives for Dell Latitude 7230 Rugged Extreme Tablets

#### Key Features

- Up to 2TB
- TCG Opal 2.0 versions available

### Usage for VaultDisk and Removable Drives for Rugged Dell Systems

- Secure your file storage when not in use
- Move large volume data at up to blazing fast PCI Gen 4 speeds
- Multi-boot environments
- Low TCO for disaster recovery/business continuity
- Conform to CMMC, HIPAA, GDPR, GLBA, PCI-DSS, and CCPA requirements



| Compare Products                             | Form Factor/Drive Bus |                    |                    |          |                            |                            |               |                |              | Security    |                                   |              |                               |                              |                        |                                   | More Features           |                |                         |                          |                              |                            |                                  | Storage        |
|--|-----------------------|--------------------|--------------------|----------|----------------------------|----------------------------|---------------|----------------|--------------|-------------|-----------------------------------|--------------|-------------------------------|------------------------------|------------------------|-----------------------------------|-------------------------|----------------|-------------------------|--------------------------|------------------------------|----------------------------|----------------------------------|----------------|
|  | M.2 NVMe PCIe 4 x4    | M.2 NVMe PCIe 3 x4 | M.2 NVMe PCIe 2 x4 | M.2 SATA | 2.5-inch U.2 PCIe Gen 4 x4 | 2.5-inch U.3 PCIe Gen 4 x4 | 2.5-inch SATA | 5.25-inch Bay  | 3.5-inch Bay | 9mm ODD Bay | FIPS-Validated (CSfC, NIAP, NIST) | TCG Opal 2.0 | Pre-Boot Authentication (PBA) | Unreadable Storage Partition | AES 256-bit Encryption | Real-Time Protection From Attacks | Verified Device Erasure | Removable      | Self-Defending Firmware | Unwipeable Hardware Logs | Extreme Temps (-40°C – 85°C) | Power Loss Data Protection | High Drive Writes Per Day (DWPD) | Capacity       |
| Citadel C-ADV                                |                       | ●                  |                    | ●        |                            |                            | ●             |                |              |             | ●                                 | ●            | ●                             | ●                            | ●                      | ●                                 | ● <sup>1</sup>          | ● <sup>2</sup> | ● <sup>1</sup>          | ● <sup>1</sup>           |                              |                            |                                  | Up to 2 TB     |
| Citadel C-SEL                                |                       | ●                  |                    | ●        |                            |                            | ●             |                |              |             | ●                                 | ●            | ●                             | ●                            | ●                      | ●                                 |                         |                |                         |                          |                              |                            |                                  | Up to 2 TB     |
| Citadel C-PBA                                |                       | ●                  |                    | ●        |                            |                            | ●             |                |              |             |                                   |              | ●                             | ●                            | ●                      |                                   |                         |                |                         |                          |                              |                            |                                  | Up to 2 TB     |
| FIPS-Validated SSDs                          |                       | ●                  |                    | ●        |                            |                            | ●             |                |              |             | ●                                 | ●            |                               |                              | ●                      |                                   |                         | ● <sup>2</sup> |                         |                          |                              |                            |                                  | Up to 2 TB     |
| TCG Opal 2.0 SSDs                            | ●                     | ●                  |                    | ●        |                            | ●                          | ●             |                |              |             |                                   | ●            |                               |                              | ●                      |                                   |                         | ● <sup>2</sup> |                         |                          |                              |                            |                                  | Up to 30.72 TB |
| Enterprise Class SSDs                        | ●                     |                    |                    |          | ●                          | ●                          | ●             |                |              |             |                                   |              |                               |                              |                        |                                   |                         |                |                         |                          |                              | ●                          | ●                                | Up to 30.72 TB |
| Industrial Class SSDs                        |                       |                    | ●                  | ●        |                            |                            | ●             |                |              |             | ●                                 | ●            |                               | ●                            | ●                      |                                   |                         |                |                         |                          | ●                            |                            |                                  | Up to 7.68 TB  |
| Commercial Class SSDs                        | ●                     | ●                  |                    | ●        |                            |                            | ●             |                |              |             |                                   |              |                               |                              |                        |                                   |                         | ● <sup>2</sup> |                         |                          |                              |                            |                                  | Up to 16 TB    |
| VaultDisk Mini-26128                         |                       |                    |                    | ●        |                            |                            |               |                |              |             |                                   | ●            |                               |                              | ●                      |                                   |                         | ●              |                         |                          |                              |                            |                                  | Up to 2 TB     |
| VaultDisk Mini Series 1                      | ●                     | ●                  |                    | ●        |                            |                            | ●             |                |              |             | ●                                 | ●            | ●                             | ●                            | ●                      |                                   |                         | ●              |                         |                          |                              |                            |                                  | Up to 8 TB     |
| RDR for Latitude 5430/7330 Rugged            | ●                     |                    |                    |          |                            |                            |               |                |              |             | ●                                 | ●            |                               |                              | ●                      |                                   |                         | ●              |                         |                          |                              |                            |                                  | Up to 2 TB     |
| RDR for Latitude 7230 Rugged Extreme Tablets | ●                     |                    |                    |          |                            |                            |               |                |              |             |                                   | ●            |                               |                              | ●                      |                                   |                         | ●              |                         |                          |                              |                            |                                  | Up to 2 TB     |
| SHIPS QX118 Kit                              | ●                     | ●                  |                    |          |                            |                            |               |                |              | ●           | ●                                 | ●            | ●                             | ●                            | ●                      |                                   | ●                       | ●              | ●                       | ●                        | ●                            |                            |                                  | Up to 8 TB     |
| SHIPS QX328 Kit                              | ●                     | ●                  |                    |          |                            |                            |               | ● <sup>3</sup> | ●            |             | ●                                 | ●            | ●                             | ●                            | ●                      |                                   | ●                       | ●              | ●                       | ●                        | ●                            |                            |                                  | Up to 8 TB     |
| SHIPS QX448 Kit                              | ●                     | ●                  |                    |          |                            |                            |               | ●              |              |             | ●                                 | ●            | ●                             | ●                            | ●                      |                                   | ●                       | ●              | ●                       | ●                        | ●                            |                            |                                  | Up to 8 TB     |

1 - Available only on Windows    2 - Only SHIPS Module versions are removable    3 - Fits with adapter bracket

## Contact Us

Work with a trusted DIGISTOR sales agent to help you obtain the correct part number that has all the features you need.

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