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DATA SHEET

OpenText™ Tableau Forensic TD4 Duplicator

Simplify smaller-scale disk triage, acquisition and media management workloads

- **Image data anywhere** with native support for acquiring SATA, SAS, USB 3.0 and PCIe drives
- **Intuitive, seamless workflows** with a color, touch-screen user interface
- **Fast, efficient targeted acquisitions** with logical imaging
- **Wipe, format and encrypt options** for destination media

Associated OpenText products

- Tableau Forensic Adapters
- EnCase Forensic

According to IDC, 95 percent of investigations have a digital component.[1] As a result, it is simply not feasible to confiscate a suspect's device and take it back to the lab for analysis. Imagine the inefficiency associated with labs stacked floor to ceiling with suspect laptops and computers—devices that investigators would never get the opportunity to analyze.

Digital investigators instead need to forensically acquire the information contained on a suspect device as a forensic image or clone. This must be an exact, bit-by-bit copy that can be used for evidence analysis. Imaging the device, instead of taking physical custody saves time, money, real estate and resources.

The OpenText™ Tableau Forensic TD4 Duplicator is next-generation technology designed as a budget-friendly, easy-to-use solution for standalone forensic acquisitions of common physical media (PCIe, USB, SATA and SAS). TD4 delivers the ideal combination of features and performance to handle smaller-scale triage, acquisition and media management workloads.

Ease of use

The TD4 retains settings across power cycles, allowing users to start a forensic acquisition with a single click. Administrative controls can also be set to assist more junior investigators, including limiting functionality, ensuring evidence security or guiding a user to a predetermined job configuration.

Maximizing use of resources

Organizations on tight budgets often re-use destination media between cases to save costs. As a suspect source drive is imaged, examiners must ensure the destination media has been wiped clean of any previous case data to prevent cross-case contamination and ensure forensic integrity. Often a separate product is needed to wipe drives.

1 Alison Brooks, Research Vice President of Worldwide Public Safety, IDC

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The Tableau Forensic TD4 Duplicator provides a 'Reconfigure' option for users to decide what combinations of actions (wipe, format, encrypt) they want to apply to connected destination media, saving the need for another tool. Both clear and purge disk wipe capabilities are available adhering to NIST standards. Additional wipe configurations are also available to ensure the destination media is ready for reuse. The TD4 can then format a filesystem back on the drive and encrypt it, if desired, making it ready for use in the next investigation. This 'Reconfigure' option improves the efficiency of the destination media management process by conducting these operations consecutively rather than as standalone operations.

Corporate applications

In addition to acquisitions from corporate devices, TD4 includes an "IT mode," which allows the Duplicator to be repurposed for on-site imaging and delivery (for new employee laptops, for example) without the extra steps it normally performs for forensic integrity or chain of custody.

Feature	Benefit
Compact form factor	Portable, ruggedized form factor for easy field use.
Color LCD touchscreen	Easy-to-navigate UI, workflows and realtime drive/job indicators.
Job status indicator	Multicolor indicator for at a glance tracking of job in progress, job completion or job failure status.
Audible feedback	Audible notifications for job completion, job failure or powered or idle (ready for another operation).
Administrator options	Guard against certain TD4 operations and/or settings being misused by less experienced investigators.
Native media support collection	Collect from SATA, SAS, USB, and PCIe drives natively. PCIe hot-swap of both source and destination drives. Additional media support, such as FireWire (TDA7-9), IDE (TDA7-5) and via Tableau Forensic Adapters.
Disk duplication support	Flexible Disk-to-disk (cloning) and disk-to-file (imaging) capabilities, with output options of up to five destinations per job (1:5) and the ability to combine clone/image duplication.
Simultaneous hashing	Default to any combination of MD5, SHA-1 and SHA-256 hashing to provide chain of custody when it comes to forensic integrity of evidence.
Detailed logs	HTML logs provide a detailed summary of any operation and connected media.
Fast imaging operations	Imaging speeds exceeding 16 GB/minute and wiping speeds exceeding 25 GB/minute.
Partition/file system awareness (FAT32, exFAT, EXT4, HFS+, NTFS and APFS)	Ensure visibility of potentially hidden evidence by detection of different file systems. Enables browsing to provide access to folders and files contained within the file system.
Logical imaging	Capture just files and folders from a given file system.

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Feature	Benefit
Standalone hash	Save time by getting a hash calculation without making a complete image.
Restore operations	Return the drive to its original, pre-imaged state from the image file.
Verify operations	Enhance data integrity by verifying that destination and source data match.
AES-256 encryption	Ensure evidence confidentiality with the ability to limit what information can be seen on the destination media.
AMA/HPA/ DCO support	Detect hidden partitions and remove AMA/HPA/DCOs to allow investigators access to evidence that could otherwise go unnoticed.
Local firmware updates	Easily update firmware locally via a USB drive.
USB-C accessory port	Enables external keyboard use and facilitates exporting logs.
Multiple language support	Support for nine languages: English, Spanish, French, German, Portuguese, Russian, Turkish, Chinese (simplified) and Korean.

Hot swapping—an industry first

Hot-swapping drives is not optimized with the standard PCIe bus. However, the Tableau Forensic TD4 Duplicator is the first product in the industry to enable PCIe hot-swap of both source and destination drives. Users can safely eject and swap PCIe drives without the need to power-cycle, saving time and frustration during imaging.

PCI, SATA, and IDE ready

The TD4 is compatible with the Tableau Forensic line of PCI, SATA and IDE adapters to provide compatibility with a wide variety of source media interfaces, ensuring seamless imaging operations.

The digital forensic tools of choice for government, law enforcement and corporations

Tableau Forensic solutions facilitate digital forensic investigations with imaging, duplication and forensic write-blocking capabilities. They provide the ideal combination of features/performance, affordability, ease of use and portability for both field and lab-based investigations.

Law enforcement, government agencies and corporations around the world have trusted Tableau Forensic as their imaging technology of choice for more than 20 years. As the pioneer in digital forensic investigations, OpenText Tableau Forensic and OpenText™ EnCase™ digital forensic solutions provide the information advantage needed to help make the world a safer, more secure place by finding the truth in data.

For more information on Tableau Forensic imagers, duplicators, bridges/write blockers and accessories, visit **https://www.opentext.com/products/tableau-forensic**.

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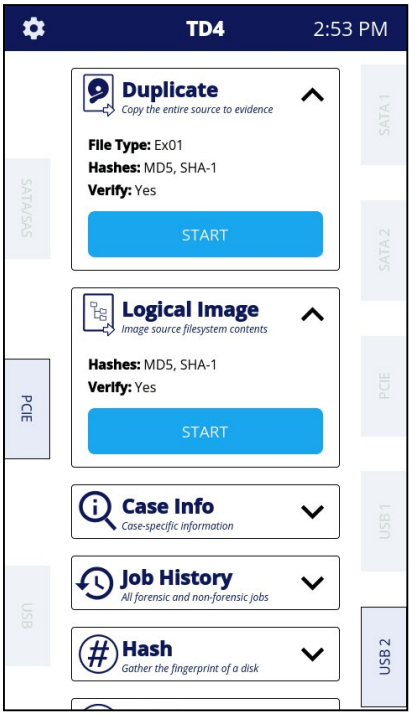
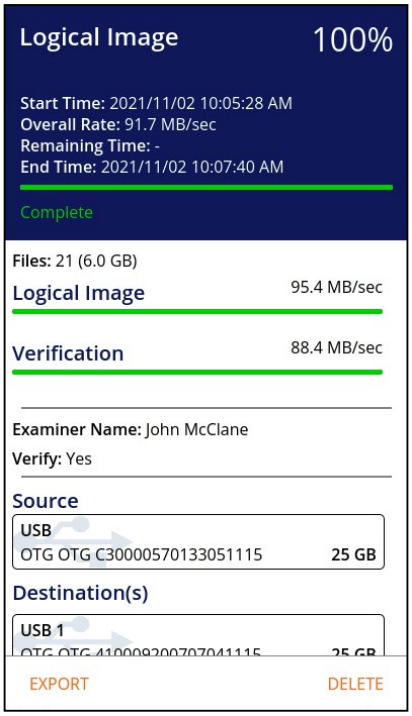
Connectors: Source Side	
Drive Power	One Molex Mini-Fit Power Connector for the SATA/ SAS Drive Power
SATA/SAS	One SATA/SAS (6 Gbps) Signal Connector
PCIe	One PCIe (10 Gbps) Adapter Connector
USB	One USB 3.2 Gen 1 (5 Gbps) Type-C Connector
Connectors: Destination Side	
Drive Power	Two Molex Mini-Fit Power Connectors for the SATA/SAS Drive Power
SATA	Two SATA (6 Gbps) Signal Connectors
PCIe	One PCIe (10 Gbps) Adapter Connector
USB	Two USB 3.2 Gen 2 (10 Gbps) Type-C Connector
Connectors: Misc	
DC Input	One Barrel Connector for use with Tableau TP6 Power Supply
USB	One USB 3.2 Gen 1 (5 Gbps) Type-C Connector
Physical / Environmental	
DC Output (per drive)	+5/12V @1A (Continuous) +5/12V @ 2A (Spin-up)
DC Input	24 VDC (Nominal) 13 VDC (min) to 34 VDC (max)
Dimensions	6.75 in. (L) x 4.6 in. (W) x 1.8 in. (H)
Operating Temperature Range	0 to 40 Degrees C Ambient (room temperature)
Power	18 Watts Typical Operating (not including drive power)
Relative Humidity	Up to 90% (Non-condensing)
Storage Temperature Range	-20 to 70 Degrees C
Weight	16 oz (450 g)
Status LEDs	
Power LED	White LED Indicating TD4 is powered on
Speaker	Audio Tones indicate job completion and errors
Status LED	Multi-color LED indicating TD4 Job Status
User Interface	
LCD	4.95 in. Graphic LCD (480 × 854 Resolution) with Capacitive Touch-screen
Power Button	One Power On/Off Button
Warranty	
Warranty	Three-years parts and workmanship from date of purchase.
Extended warranty	Two-years extended warranty (five years total) available for purchase.



Main menu



Logical imaging status screen

About OpenText

OpenText, The Information Company, enables organizations to gain insight through market leading information management solutions, on-premises or in the cloud. For more information about OpenText (NASDAQ: OTEX, TSX: OTEX) visit: **opentext.com**.

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