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Product overview

OpenText Tableau Forensic Imager (TX1)

A versatile and intuitive forensic imaging solution that acquires data faster and from more media types, without sacrificing ease-of-use or portability

Maximize Productivity

Add **Investigative Efficiency**

Ensure **Forensic/ Security Confidence**

Bring **Remote Collaboration** to your team

Leverage an **Intuitive User Interface**

The increasing diversity, size and sophistication of digital media makes evidence collection a challenge. Digital investigators need a versatile solution that can acquire data from any storage type, including network shares, that is easy to use and navigate and can help close cases faster, reduce case backlogs and increase investigative capacity.

OpenText™ Tableau Forensic Imager (TX1) solves the difficult challenges of forensic data acquisition by offering superior local and networked forensic imaging capabilities without compromise, even when conducting simultaneous forensic jobs. It delivers consistent results within a standalone, high-performance hardware solution, giving examiners and investigators peace of mind when dealing with many types of digital evidence.

Acquire evidence faster and reduce case backlogs

With TX1, investigators can quickly triage potential evidence by browsing connected filesystems and viewing image/text files directly on the TX1's user interface (UI). If unusual file types need to be collected and viewed, or senior management needs to support the investigation, a secure remote session can be established between any number of TX1s and any modern computer, smartphone, or tablet connected to the same network. If encryption is detected, TX1 will notify the user and can even pass through known credentials to unlock APFS, BitLocker and Opal self-encrypting drives (SEDs).

Following triage, the TX1's logical imaging capabilities offer an intuitive way to manually select specific files or folders to acquire or use the powerful 'Files to Acquire' screen to define a targeted search profile using pre-defined and custom criteria. Users can create, name, store and share complicated or commonly used logical image searches for future use.

TX1 further expedites work by conducting two concurrent forensic jobs with little to no drop in performance. Additional queued jobs begin as soon as an active job completes. While two forensic jobs are running, TX1 can also simultaneously perform other media operations that do not involve hashing. For high-volume cases, Automated Acquisition mode provides users the option to pre-set a group of job settings and then have any detected source media automatically enqueued with the pre-set settings. Every component, design decision and feature delivered in TX1 is included to maximize user efficiency, in the field or lab.

Forensic security in every use case

From the very beginning and with each new feature update, Forensic security is designed in to TX1. All imaging jobs support simultaneous hashing and precondition checks. Security options include individually authenticated user profiles and UI lock screen. Remote sessions are secured through SSL certificate options, SameSite cookie attributes and 802.1X port-based authentication, if required. From field operations to in the courtroom, TX1 is built to ensure that the forensic integrity of digital evidence is irrefutably preserved.

Easy to use

TX1 offers investigators unmatched durability, forensic integrity and advanced imaging options in an intuitive and flexible user experience. The modern UI runs on a seven-inch, color touchscreen display, making it easy for users of all skill levels to get the job done quickly, with minimal to no training.

Media supported by OpenText Tableau Forensic Imager (TX1)

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TX1 features	Description
Secure remote access and control	• Users can easily set up and monitor TX1 operations without the need to be physically at the device • Access all TX1 functions through the web UI on a computer, smartphone or tablet when connected to the same network • Individual files of interest can be downloaded to the remote workstation for further examination • Provides an efficient division of labor as an expert user can remotely manage operations for multiple TX1s • TLS encrypted, SameSite cookie flag and 802.1X / SSL certificate protected
API available for workflow integration and automation	• Simple, JSON-based API, which is already running on the local TX1 UI • Any TX1 function can be triggered, monitored or controlled through the API • Provides an option for larger agencies/organizations to securely customize their TX1 experience, without any outside involvement
Thorough media details	• Automatically detects drives encrypted with the following popular encryption types: Microsoft® BitLocker®, BitLocker To Go, Apple® FileVault® 2, Apple® APFS, Linux® LUKS, BestCrypt, Symantec PGP WDE, Check Point® Full Disk Encryption, McAfee® Drive Encryption (SafeBoot), Sophos® Safeguard, WinMagic® SecureDoc Full Disk Encryption, GuardianEdge™ Encryption and Symantec™ Endpoint Encryption • Unlocks BitLocker and APFS encryption with known credentials • Detects Opal self-encrypting drives and unlocks with known credentials • Detects proprietary self-encrypting USB devices • Identifies if a source drive is part of a RAID
Comprehensive Apple forensics	• Acquires evidence from Mac computers in target disk mode over USB-C, FireWire or Thunderbolt (with adapter) • Captures both physical drives (HDD and SSD) configured as one Fusion Drive on iMac® and Mac Mini® • Directly acquires from both SATA and PCIe Mac removable storage media, with Tableau Adapters • Mounts source or destination APFS volumes, enabling features like logical imaging, browsing and log export • Detects the presence of APFS encryption and can pass through known credentials to unlock
HPA, DCO and AMA advanced functionality	• Detects and removes Host Protected Area (HPA) hidden partitions • Detects, unlocks, restores and trims Device Configuration Overlay (DCO) hidden partitions • Detects, unlocks, restores and trims Accessible Max Address (AMA) hidden partitions hidden partitions on newer ACS-3 media • All TX1 hidden partition removal/unlocking is under full user control and is always logged
Logical imaging and search	• Acquires logical images from locally attached drives and network shares • Collect the entire file system, manually select specific folders and files or use TX1's powerful search capabilities to define a targeted search profile using pre-defined and custom criteria • Leverages wildcard characters in logical image search criteria for powerful results • Save complicated and commonly used logical image searches and share across TX1 units by exporting/importing via the network or USB accessory ports on TX1
Simultaneous operation and job queuing	• Supports two concurrent forensic jobs (any operation involving a hash) • Additional jobs are queued to begin as soon as an active job completes • Drag and drop functionality provides the option to reorder jobs in queue
Automated Acquisition mode	• Provides users the option to set up a group of job settings and then place TX1 in an 'autopilot-like' mode for performing imaging operations, with any detected source media automatically getting enqueued with the pre-set settings
Pause and resume	• Provides users the flexibility to manually pause any running imaging job (E01, Ex01, DD, DMG) and resume it later, even across power cycles • Supports the ability to resume jobs that failed due to unexpected power loss, destination full, or source/destination drive disconnected

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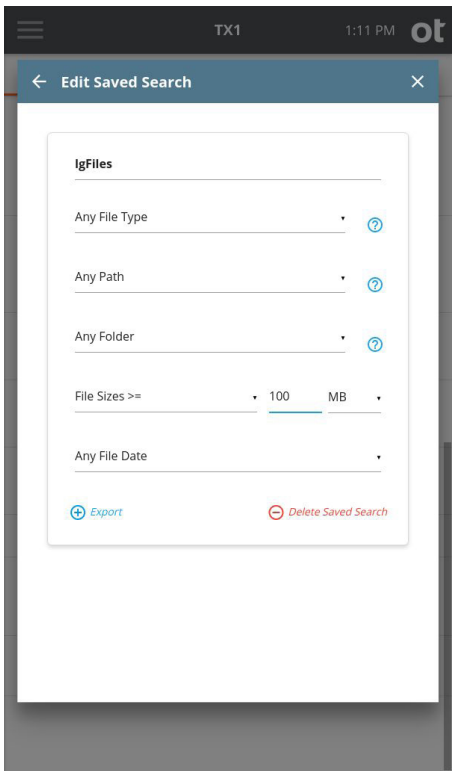
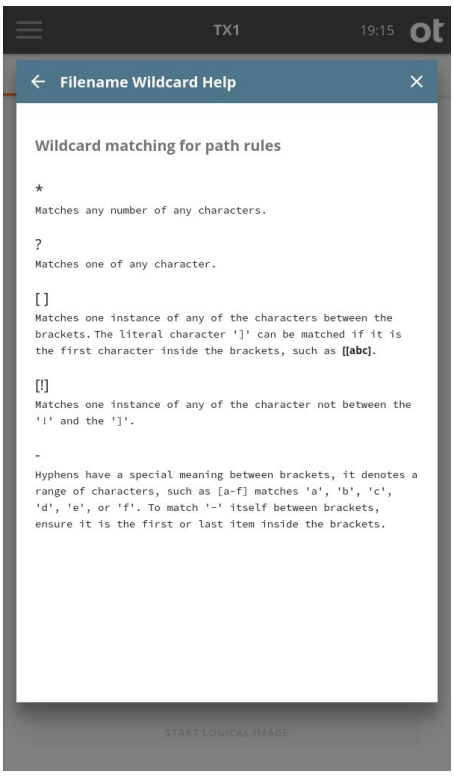
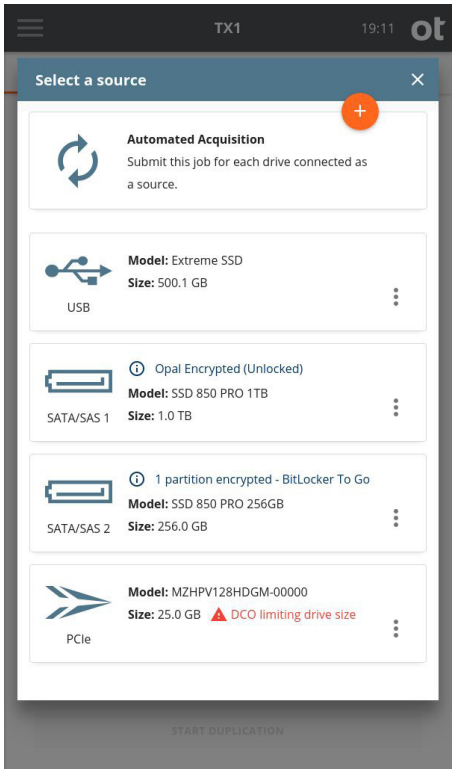
TX1 features	Description
Restore image to drive	• Restores TX1 created image files to a full drive with original formatting and directory structure • TX1 logs for Restore jobs include the restoration hash values calculated during the 'Restore' operation
Multi-user access	• Create, delete and manage user profiles to personalize or customize individual settings or uniformly deploy common pre-selected settings • User information captured in the log to document which user submitted a specific job
Secure device access via lock screen with PIN code	• Allows users to lock the TX1 screen with a temporary PIN code to secure the unit while unattended
Broad media support	• Supports full forensic imaging from a wide variety of media, including PCIe, 10GbE network shares and Mac® computers in target disk mode (USB-C, Thunderbolt and FireWire)
Media utility options	• View extensive drive details; wipe, format and manage Tableau-style drive encryption; view and disable HPA/DCO/AMA; blank check; browse filesystem; view SMART data; export as iSCSI target for remote access and eject media • Content Breakdown provides a view of a drive's layout of partitions and file systems, including raw hex and ASCII data
View image and plain text files	• Views suspect media image and text files directly to quickly triage and determine the relevance to the investigation. When TX1 is connected to a forensic workstation, any additional file types viewable by that workstation are also available
Acquire from and output to network shares	• Acquires from and outputs to many types of network shares (NAS, SAN, domain and workstation shares) using CIFS or iSCSI protocols
10Gb Ethernet	• Provides superior network imaging performance over a convenient RJ-45 connection, which is backwards compatible with GbE networks
Sector Range Hashing	• Provides the ability to target a single partition, multiple partitions or custom sector range of a drive to generate a hash; this can be valuable when dealing with failing media, SSDs that have had their physical volume hash altered and other special circumstances.
Modular destination drive bay	• Includes an optional fan-cooled drive bay (TX1-S1), which provides two cableless connections for 2.5-inch or 3.5-inch SATA/SAS drives. Users can employ up to four simultaneous SATA/SAS destinations when connected
Up to four destinations per source	• Supports up to four destinations per source (1:4) with the ability to mix clone/image duplication and local/network destinations (outputs to SATA, USB 3, SAS and network shares)
HTML logs	• Logs can be displayed in either HTML or text format depending on user preference • Allows users to filter saved logs to only view logs of interest based on specific case and/or drive attributes
Multi-language support	• Supports localization of the user interface in English, German, Spanish, French, Portuguese, Russian, Turkish and Chinese
Free updates	• Tableau Firmware Update (TFU) utility provides new features, performance improvements and product enhancements
Warranty	• Includes a three-year parts and labor warranty

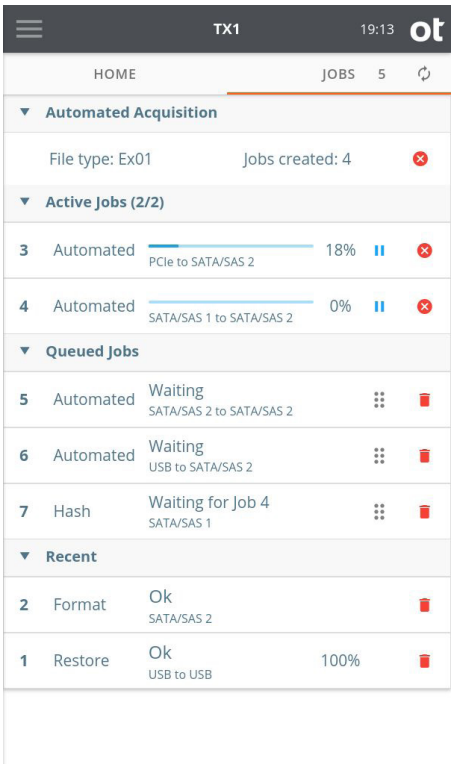
Example TX1 Screen Images



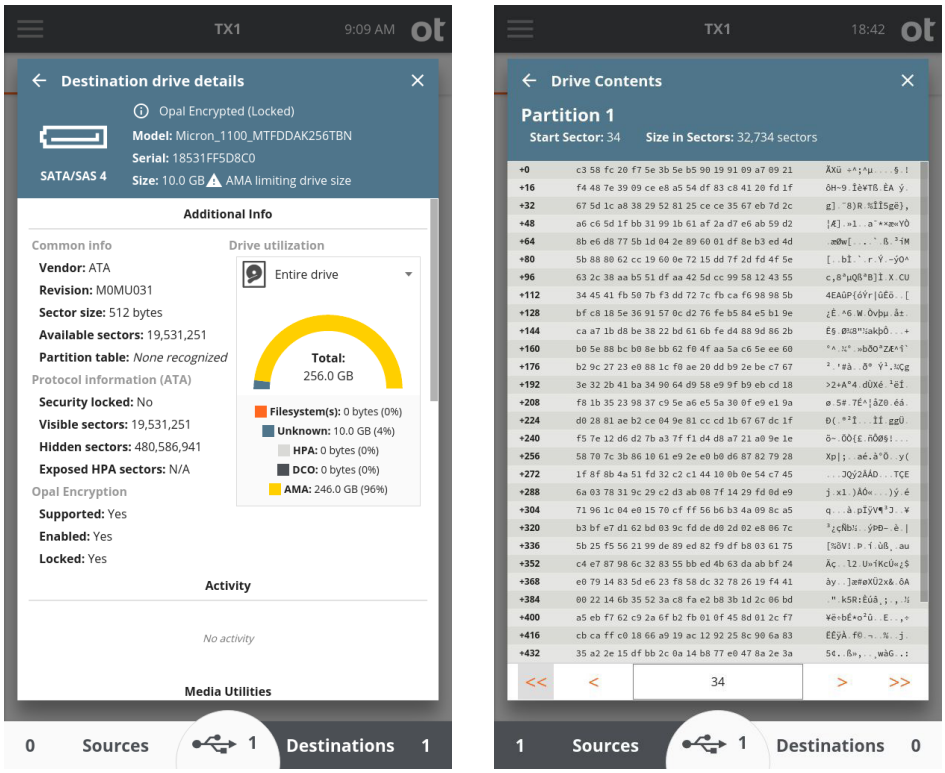


Logical imaging and search with wildcard characters





Automated Acquisition Mode



Extensive drive details

Remote access from any network connected computer, smartphone, or tablet.

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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