# **opentext**<sup>\*\*</sup>

### **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, such as APFS or FileVault 2, TX1 will notify the user and can even pass through known credentials to unlock 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	<ul> <li>Users can easily set up and monitor TX1 operations without the need to be physically at the device</li> </ul>		
	<ul> <li>Access all TX1 functions through the web UI on a computer, smartphone or table when connected to the same network</li> </ul>		
	<ul> <li>Individual files of interest can be downloaded to the remote workstation for further examination</li> </ul>		
	<ul> <li>Provides an efficient division of labor as an expert user can remotely manage operations for multiple TX1s</li> </ul>		
	• TLS encrypted, SameSite cookie flag and 802.1X / SSL certificate protected		
API available for workflow	• Simple, JSON-based API, which is already running on the local TX1 UI		
integration and automation	• Any TX1 function can be triggered, monitored or controlled through the API		
	<ul> <li>Provides an option for larger agencies/organizations to securely customize their TX1 experience, without any outside involvement</li> </ul>		
Thorough media details	<ul> <li>Automatically detects drives encrypted with the following popular encryption types: Microsoft<sup>*</sup> BitLocker<sup>*</sup>, BitLocker To Go, Apple<sup>*</sup> FileVault<sup>*</sup> 2, Apple<sup>*</sup> APFS, Linux<sup>*</sup> LUKS, BestCrypt, Symantec PGP WDE, Check Point<sup>*</sup> Full Disk Encryption, McAfee<sup>*</sup> Drive Encryption (SafeBoot), Sophos<sup>*</sup> Safeguard, WinMagic<sup>*</sup> SecureDoc Full Disk Encryption, GuardianEdge<sup>*</sup> Encryption and Symantec<sup>*</sup> Endpoint Encryption</li> </ul>		
	Unlocks BitLocker encryption with known credentials		
	Identifies if a source drive is part of a RAID		
	Detects Opal self-encrypting drives and unlock with known credentials		
	Detects proprietary self-encrypting USB devices		
Comprehensive Apple forensics	<ul> <li>Acquires evidence from Mac computers in target disk mode over USB-C, FireWire or Thunderbolt (with adapter)</li> </ul>		
	<ul> <li>Captures both physical drives (HDD and SSD) configured as one Fusion Drive on iMac<sup>*</sup> and Mac Mini<sup>*</sup></li> </ul>		
	<ul> <li>Directly acquires from both SATA and PCIe Mac removable storage media, with Tableau Adapters</li> </ul>		
	<ul> <li>Mounts source or destination APFS volumes, enabling features like logical imaging, browsing and log export</li> </ul>		
	<ul> <li>Detects the presence of APFS encryption and warns the user across the UI and in the log</li> </ul>		
HPA, DCO and AMA	Detects and removes Host Protected Area (HPA) hidden partitions		
advanced functionality	<ul> <li>Detects, unlocks, restores and trims Device Configuration Overlay (DCO) hidden partitions</li> </ul>		
	<ul> <li>Detects, unlocks, restores and trims Accessible Max Address (AMA) hidden partitions hidden partitions on newer ACS-3 media</li> </ul>		
	<ul> <li>All TX1 hidden partition removal/unlocking is under full user control and is always logged</li> </ul>		

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TX1 features	Description	
Logical imaging and search	<ul> <li>Acquires logical images from locally attached drives and network shares</li> </ul>	
	• 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	
	<ul> <li>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</li> </ul>	
Simultaneous operation and	• Supports two concurrent forensic jobs (any operation involving a hash)	
job queuing	• 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	<ul> <li>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</li> </ul>	
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	
	<ul> <li>Supports the ability to resume jobs that failed due to unexpected power loss, destination full, or source/destination drive disconnected</li> </ul>	
Restore image to drive	<ul> <li>Restores TX1 created image files to a full drive with original formatting and directory structure</li> </ul>	
	<ul> <li>TX1 logs for Restore jobs include the restoration hash values calculated during the 'Restore' operation</li> </ul>	
Multi-user access	<ul> <li>Create, delete and manage user profiles to personalize or customize individual settings or uniformly deploy common pre-selected settings</li> </ul>	
	<ul> <li>User information captured in the log to document which user submitted a specific job</li> </ul>	
Secure device access via lock screen with PIN code	<ul> <li>Allows users to lock the TX1 screen with a temporary PIN code to secure the unit while unattended</li> </ul>	
Broad media support	<ul> <li>Supports full forensic imaging from a wide variety of media, including PCIe, 10GbE network shares and Mac<sup>*</sup> computers in target disk mode (USB-C, Thunderbolt and FireWire)</li> </ul>	
Media utility options	<ul> <li>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</li> </ul>	
	<ul> <li>Content breakdown provides a view of a drive's layout of partitions and file systems, including raw hex and ASCII data</li> </ul>	
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	<ul> <li>Acquires from and outputs to many types of network shares (NAS, SAN, domain and workstation shares) using CIFS or iSCSI protocols</li> </ul>	

TX1 features	Description
10Gb Ethernet	<ul> <li>Provides superior network imaging performance over a convenient RJ-45 connection, which is backwards compatible with GbE networks</li> </ul>
Modular destination drive bay	<ul> <li>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</li> </ul>
Up to four destinations per source	<ul> <li>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)</li> </ul>
HTML Logs	<ul> <li>Logs can be created in either text or HTML format, configured in default/user settings</li> </ul>
Multi-language support	<ul> <li>Supports localization of the user interface in English, German, Spanish, French, Portuguese, Russian, Turkish and Chinese</li> </ul>
Free updates	<ul> <li>Tableau Firmware Update (TFU) utility provides new features, performance improvements and product enhancements</li> </ul>
Warranty	<ul> <li>Includes a three-year parts and labor warranty</li> </ul>

#### Example TX1 Screen Images

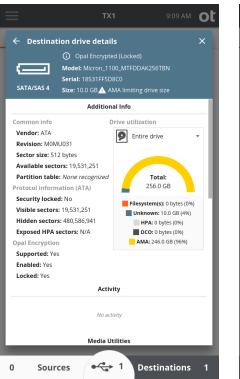
	TX1	1:11 PM	$\equiv$	TX1	<sup>19:15</sup> C
– Edit Saved Search	ı	>	YAT 09:15 C Filename Wildcard Help X Wildcard matching for path rules * Matches any number of any characters. ? Matches one of any character. [] Matches one instance of any of the characters between the brackets. The literal character 'j' can be matched if it is the first character inside the brackets, such as []bdc. [] Matches one instance of any of the character not between the 'i' and the 'j' Hyphens have a special meaning between brackets, it denotes a range of characters, such as [a+f] matches 'i', 'e', or 'f'. To match '-i tiself between brackets, ensure it is the first or last item inside the brackets.		
lgFiles				natching for path rules	
Any File Type		. @	Matches any r	number of any characters.	
Any Path		. 0	Matches one o	of any character.	
Any Folder		. @	brackets. The	literal character ']' can be ma	atched if it is
File Sizes >=	• 100	MB •	Matches one		not between the
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IgFiles       ×         Any File Type       ③         Any File Type       ③         Any Folder       ④         File Sizes >=       •         100       MB         MB       •         Hyphens have a sg range of characte 'd', 'e', or 'f'	'f'. To match '-' itself betwee	n brackets,			
				START LOGICAL IMAGE	

Logical imaging and search with wildcard characters

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Select a so	urce		×
¢	Automated Acquisition Submit this job for each drive connected as a source.		
USB	Model: Extreme SSD Size: 500.1 GB	0 0 0	
SATA/SAS 1	<ul> <li>Opal Encrypted (Unlocked)</li> <li>Model: SSD 850 PRO 1TB</li> <li>Size: 1.0 TB</li> </ul>	000	
SATA/SAS 2	1 partition encrypted - BitLocker To G Model: SSD 850 PRO 256GB Size: 256.0 GB	0	
PCle	Model: MZHPV128HDGM-00000 Size: 25.0 GB 🛕 DCO limiting drive size	0 0 0	
-	START DUPLICATION		

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•	Queued Jobs				
5	Automated	Waiting SATA/SAS 2 to SATA/SAS 2		**	T
6	Automated	Waiting USB to SATA/SAS 2		**	Ĩ
7	Hash	Waiting for Job 4 SATA/SAS 1		**	-
•	Recent				
2	Format	Ok SATA/SAS 2			Ĩ
1	Restore	Ok USB to USB	100%		

#### Automated Acquisition Mode



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1	Sources		nations	

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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