

# A High-Speed Forensic Multi-Source / Multi-Destination Imager / Network Uploader with 2 10GbE network ports and support for M.2 NVMe

- **Extremely fast imaging up to 50 GB/min\* using SATA SSDs**
- **Supports up to 16 M.2 NVMe SSDs (8 Sources, 8 Destinations) with optional PCIe Expansion Modules**
- **Two 10GbE ports and one 2.5GbE network port for fast imaging to/from a network repository or NAS**
- **Image up to a total of 5 SAS/SATA Source drives. 4 additional destinations are available with an optional expansion kit.**
- **8 USB 3.2 Type-A ports, 1 USB Type-C port**
- **2 Thunderbolt™ 4/USB-C ports**
- **4 U.2 ports**
- **Concurrent Image+Verify feature can reduce duration of image plus verification process by up to 50%**
- **Multi-task. Image from up to 5 sources simultaneously.**
- **S.M.A.R.T. reporting for all drives involved in Drive to File, Drive to Drive, and Wipe tasks**



The next generation of our ZXi™-Forensic, the ZXi™-10G-Forensic achieves imaging speeds up to 50 GB/min. Two 10GbE ports, one 2.5GbE port, support for up to 16 M.2 NVMe SSDs (8 Sources, 8 Destinations\*\* with optional PCIe Expansion Modules), built-in SAS/SATA support for up to 5 Sources and 5 Destinations\*\*\* (with optional 4-port Drive Expansion Kit), 3 USB 3.2 Sources, 6 USB 3.2 Destinations, one Source and one Destination Thunderbolt 4 port, and 2 Source and 2 Destination U.2 ports, along with the ZXi™-10G-Forensic's advanced features provide efficient and secure digital evidence collection.

## FEATURES

- **High-speed imaging** – The ZXi™-10G-Forensic achieves imaging speeds **surpassing 50 GB/min** and can clone PCIe to PCIe at speeds at over 100 GB/min
- **Source Ports:**
  - 5x SAS/SATA
  - Up to 8 M.2 NVMe SSDs (with optional PCIe Expansion Modules)
  - 2x USB 5Gbps Type-A
  - 1x USB 20Gbps (Type-C)
  - 1x Thunderbolt™ 4/USB 20Gbps (Type-C)
  - 2x U.2
- **Destination Ports:**
  - Up to 3x SAS/SATA and 2x SATA (with optional Expansion Kit)
  - Up to 8 M.2 NVMe SSDs (with optional PCIe Expansion Modules)
  - 2x USB 10Gbps (Type-A)
  - 4x USB 5Gbps (Type-A)
  - 1x Thunderbolt™ 4/USB 20Gbps (Type-C)
  - 2x U.2
- **Two high-speed 10GbE connections** are available to image to/from a network repository or NAS and achieve transfer speeds of up to 30GB/min. Utilize a 2.5GbE connection to help minimize bottlenecks.
- **Two Thunderbolt™ 4/USB 3.2 Gen 2x2 ports** allow users to connect Thunderbolt external storage enclosures
- **M.2 NVMe Support** – The optional PCIe Expansion Modules support imaging or cloning up to 8 Source and 8 Destination M.2 NVMe SSDs
- **Optional adapters** are available for the following drives:
  - M.2 SATA
  - mSATA
  - Micro SATA
  - eSATA
  - 1.8"/2.5"/3.5" IDE
  - IDE ZIF
  - eSATA
  - Flash media
- **Image and verify to multiple image formats** – Native copy, .dd, dmg, e01, and ex01. The ZXi-10G-Forensic provides MD5, SHA1, SHA256, and dual hash authentication at extremely fast speeds.
- **Concurrent Image+Verify** – Imaging and verifying concurrently takes advantage of destination hard drives that may be faster than the source hard drive. Duration of total image+verify process time may be reduced by up to half.
- **BitLocker, OPAL, VeraCrypt, and TrueCrypt Decryption Support.** Decrypt partitions or drives (requires the recovery key or password) and then image the selected partitions or drives. A password or a newly generated BEK (BitLocker Encryption Key) file is required to unlock FIPS-compliant BitLocker encryption.
- **APFS Support** – The ZXi-10G-Forensic supports logical imaging (using our File to File mode) from drives formatted to APFS (Apple® File System). Requires use of Advanced set-up, reference our users' manual for complete information. The ZXi-10G-Forensic can also view and browse APFS files using our file browser feature.
- **Network Capture** – Capture network traffic, internet activity, and VOIP. Sniff data on a network and store captured packets on a hard drive connected to ZXi-10G-Forensic, data is saved to a .pcapng file format.
- **Targeted/Logical Imaging shortens acquisition time** – Create a logical image by using pre-set, custom, or file signature filters, and/or keyword search function to select and acquire only the specific files you need. Format output to L01, LX01, ZIP or directory tree.
- **Wipe feature** – Choose from Secure Erase, DoD wipe, and custom pass settings. Complies with NIST 800-88 guidelines. User selectable option to verify wipe pass value during the wipe process.



## FEATURES (continued)

- **File Browser/Write-Blocked Drive Preview** – Provides logical access to source or destination drives and network repositories connected to the ZXi-10G-Forensic. View the drive's partitions and contents and view text files, jpeg, PDF, XML, HTML files. View the contents of .dd, e01, ex01, dmg, L01 image files created by the ZXi-10G-Forensic. Preview on a PC/laptop or over a network via SMB or as an iSCSI target.
- **Multi-Task** – Image from multiple sources to multiple destinations, including a network repository, simultaneously. Image to one destination while hashing and/or wiping a second drive at the same time. Perform up to 5 tasks concurrently.
- **Image from a desktop or laptop without removing hard drives.** Create a forensic bootable USB flash drive to image a source drive from a computer on the same network without booting the computer's native OS. Supports **Surface Pro 4 and above** laptops.
- **Capture path selection** – Add folders to the destination repository and then select and image to the named folder. Empty folders can be deleted, and folders can be renamed.
- **Format destination drives to NTFS, exFAT, HFS+, EXT4, EXT3, EXT2, or FAT32** file systems. Image from source drives formatted to any major file system.
- **Secure sensitive evidence data** with whole drive, open standard drive encryption using the NIST recommended **XTS-AES 256 cipher mode**. Decryption can be performed using the ZXi-10G-Forensic or by using open-source software programs such as VeraCrypt, TrueCrypt or FreeOTFE.
- **Image from a Mac® computer with USB-C ports** using a USB-C to USB-A cable and Target Disk Mode or use Logiccube's USB boot device to image a source drive from a Mac computer on the same network without booting the Mac computer's native OS. The ZXi-10G-Forensic supports imaging from **MacBook Pro® systems**.
- Whole disk and partition level **encryption detection**. Easily identify Source drives with possible encryption.
- **Parallel Imaging** – Perform multiple imaging tasks from the same source drive to multiple destinations using different imaging formats.
- **Audit trail/Log files** provide detailed information on each operation. Log files can be viewed on ZXi-10G-Forensic or via a web browser, exported to XML, HTML or PDF format to a USB enclosure.
- **Additional features** include remote operation, internal removable storage drive for secure/classified locations, partition imaging, a task macro, a resume feature for interrupted tasks, image restore, reverse read, network "Push" feature, HPA/DCO capture, save configuration settings and set password-protected user profiles, image from, drive spanning, color touchscreen display, HDMI port, blank disk check, drive trim, and S.M.A.R.T. data.

\*The ZXi-10G-Forensic achieves speeds surpassing 50 GB/min using solid-state "suspect" drives that contain a freshly installed Windows "X" OS and random data and solid-state destination drives. Settings used are e01/ex01 image format, with compression and with verify "on". The specification and condition of the suspect hard drives as well as the mode, image format, and settings used during the imaging process may affect the achieved speeds.

\*\* Each 8-port M.2 NVMe Module can be used as either 8 Sources, 8 Destinations, or 4 each.

\*\*\* The 4-Port Drive Expansion Kit provides 2x SAS/SATA and 2X SATA-only ports.

## OPTIONS

The following options are available with the ZXi-10G-Forensic:

- **4-Port Drive Expansion Kit:** Provides an additional 2 SATA/SAS and 2 SATA-only drive stations. Includes 4 drive stations, 4 cables, and a drive tray.
- **PCIe Expansion Module:** Provides support for up to 16 M.2 NVMe SSDs
- mSATA to SATA adapter
- microSATA to SATA adapter
- eSATA cable
- 2.5"/3.5" IDE to SATA adapter
- 1.8" IDE to SATA adapter
- 1.8" ZIF to SATA adapter
- USB Flash Reader
- SATA/SAS data & power replacement cable

## IN THE BOX

The following items are included with the ZXi-10G Forensic:

- Power cable
- 6 SATA/SAS 5" data/power cables
- 3 CAT 7 network cables

## SPECIFICATIONS

Power Requirements	Operating Temperature	Storage Temperature	Relative Humidity	Net Weight	Dimensions
110V-240V 7.5A-3.5A 50-60Hz	32° to 122° F 0° to 50° C	-4° to 176° F -20° to 80° C	Operating: 85% RH, non-condensing Storage: 95% RH, non-condensing	14 lbs 6.4 kg	3.7" H x 19" D x 17.2" W 94 mm x 483 mm x 437 mm

