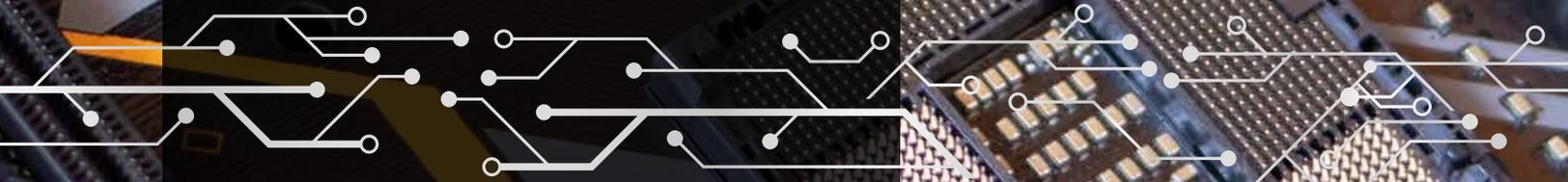




**HARD DRIVE
DUPLICATION AND
DIGITAL FORENSIC
PRODUCTS CATALOG**



2021

MESSAGE FROM LOGICUBE'S PRESIDENT



Logicube has been at the forefront of hard drive duplication and digital forensic technology development for over 2 decades. Our innovative solutions reflect our commitment to quality, to ease of use, to superior performance and to reliability.

Our mission is to build solutions that address market needs, help our customers keep pace with new hard drive and digital forensic technologies and meet the complex challenges IT departments and digital forensic investigators face in today's fast-paced environment.

We believe that our success is directly attributed to the team of professionals who contribute daily to making Logicube a leader in the industry. We are extremely proud of our:

- **PEERLESS TECHNOLOGY**

Our products are the most advanced, feature-rich, powerful, scalable, and expandable products in our market. Logicube products are on the leading edge of the technology curve

- **HIGHEST QUALITY**

Logicube products are produced with the highest standards of quality and are subjected to the most stringent quality conformance tests, resulting in the lowest failure rates in the field.

- **FASTEST LEAD-TIMES**

Logicube's order fulfilment lead-times are industry-leading. We fulfill most orders on the same day and maintain adequate supply of all products in inventory at all times.

- **SUPERIOR TECHNICAL SUPPORT**

We respond to our clients' technical challenges promptly and with highest degree of expertise. We will not relent until our customers' technical problems are resolved to their satisfaction.

As you browse through our 2021 catalog, we know that you will find a solution that meets your unique requirements. The Logicube brand gives you an edge in productivity, reliability and performance.

Farid Emrani
President & CEO
Logicube, Inc.

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DIGITAL FORENSIC IMAGING SOLUTIONS

The proliferation of workstations, laptops, Mac®, and mobile devices on one hand, and the prevalence of data storage on “Cloud Drives” and Network Attached Storage devices have increased exponentially over the last decade. Furthermore, the number of interfaces and technologies that each of these storage media present, from SCSI and FireWire to Fibre Channel and Thunderbolt, necessitate that forensic digital imagers have the capability to capture information from a multitude of sources. In addition, write blocking devices must provide the perfect security and ease when data capture and analysis from workstations is required.

Logicube's forensic imaging solutions have been for many years the leading forensic component used around the world by governments, law enforcement, military, and corporate organizations. The unique enhancements in functionality and capability of the Logicube's flagship forensic imager, for instance, provide support for a variety of interfaces, encryption, mobile device capture, network traffic, cloud collections, and remote operation. Logicube remains the global leader in the field of data imaging and offers the “Best in Class” solutions among the digital forensic imagers in its market.

- Logicube's digital forensic imaging solutions attain capture speeds of up to 50 GB/min and Wipe speeds of 30 GB/min for SATA drives and 72 GB/min for PCIe drives
- Provide support for PCIe, NVMe, SAS, SCSI, Fibre Channel, FireWire, and Thunderbolt drives
- Can capture from Mobile devices and Cloud-Based storage (with optional subscriptions)
- Wipe destination drives according to NIST 800-88 standards
- Can multi-task and perform parallel imaging
- Provide a variety of imaging methods (DD, E01, EX01, DMG, L01, LX01, etc.)
- Capture network, internet, and VOIP activity
- Encrypt destination drives
- Decrypt BitLocker, VeraCrypt, OPAL, TrueCrypt and unlock ATA locked source drives

Whether you need to capture from laptops, MacBook® computers, or mobile devices, or need to image drives with interfaces ranging from SCSI to Thunderbolt, Logicube's array of forensic imagers and write blockers provide the premier solutions for the challenging demands placed on forensic investigators and are must have solutions for all digital forensic, cyber security or specialist information technology practitioners.



Falcon®-NEO



WriteProtect™-PORTABLE

IMAGERS COMPARISON CHART

| | Forensic Falcon®-NEO | Talon® Ultimate |
|---|--|--|
| Dimensions | 10" W x 6.75" D x 3.25" H | 7.6" W x 5.5" D x 2.6" H |
| Weight | 3.0 lb | 2.0 lb |
| Remote access | Yes – Using a web browser and Command Line Interface (CLI). Users can view the Falcon-NEO GUI on their PC, iPad, tablet, or smartphone (scaled to fit those devices). | Yes. Same as Falcon-NEO. |
| Speed | Surpassing 50 GB/min | Exceeding 40 GB/min |
| Total built-in write-protected source ports | 6 (2 SAS/SATA, 1 USB 3.0, 1 PCIe, 2 optional I/O ports) | 4 ports in base standard unit: 1 SATA/SAS-ready port, 1 USB 3.0, 1 FireWire, 1 PCIe. 1 additional optional SATA/SAS-ready port activated with the Multi-Task Option. SAS support requires SAS Option. |
| Total number of connected source drives that can be imaged from concurrently | 6 | 1 in base standard unit. 5 if Multi-Task Option is purchased. |
| Total built-in destination ports | 9 (2 SAS/SATA, 2 SATA, 3 USB 3.0, 1 PCIe 4-lane, 1 optional I/O card port). USB can be converted to SATA with a USB to SATA adapter. | 4 (2 SATA/SAS-ready, 1 USB 3.0, 1 FireWire). SAS support requires SAS Option. USB can be converted to SATA with a USB to SATA adapter. |
| Total number of connected destination drives that can be imaged to concurrently | 9 | 4 in base standard unit. |
| Drive Interfaces supported | <ul style="list-style-type: none"> SATA/SAS/USB/PCIe built-in M.2 NVMe/SATA/AHCI and mini-PCIe cards require an optional PCIe adapter kit Thunderbolt™ 3/USB-C – Optional I/O card available mSATA, Micro SATA, eSATA – Adapters included PATA/IDE & Flash media – Optional adapters available Optional modules available for: <ul style="list-style-type: none"> FireWire® SCSI Fibre Channel | <ul style="list-style-type: none"> SATA/USB/FireWire/PCIe built-in SAS - With SAS option 3.5"/2.5" PATA/IDE - Adapter included Optional adapters available for: M.2 (NVMe, SATA, AHCI), mini-PCIe, mSATA, Micro SATA, eSATA, 1.8"IDE, 1.8" ZIF, and flash media. Not supported: <ul style="list-style-type: none"> Thunderbolt™ 3/USB-C FireWire® SCSI Fibre Channel |
| Ethernet port | Two 10 GbE ports. Image to a 10 GbE NAS at speeds of 30 GB/min. | 1 Gigabit Ethernet port |
| I/O card ports | Yes – Includes 2 source and 1 destination I/O card ports to support new interface technologies as they arrive on the market. A Thunderbolt 3/USB-C I/O card is available. | No |
| Capture Path Selection | Yes – Add folders to the destination repository and then select and image to the named folder. | No |
| Partition Imaging | Yes – Select and create a logical image of specific partitions on the source drive to e01, ex01, dd, or dmg image format. | No |
| APFS (Apple® File System) Support | Yes – Supports logical imaging using File to File mode from source drives formatted APFS. Requires use of our Advanced set-up. The Falcon-NEO can also view and browse APFS files using our File Browser feature. | No |
| Cloud Storage Capture | Yes – Capture from Microsoft OneDrive, Google Drive, and Dropbox. Available as a subscription option. | No |
| Mobile Device Capture | Yes – Capture SMS, MMS, photos, videos & more from iOS and Android devices. Available as a subscription option. | No |
| Network Traffic Capture | Yes – Capture network traffic, internet activity, and VoIP. Sniff data on a network and store captured packets on a drive connected to Falcon-NEO. | No |
| BitLocker, Opal, VeraCrypt, and TrueCrypt decryption Support | Yes – Decrypt BitLocker, Opal, VeraCrypt, and TrueCrypt encrypted drives (requires decryption password) then image these decrypted source drives. | No |
| Unlock & Image ATA Security Standard | Yes – Supports unlocking of drives that are locked with ATA Security Standard (requires password). | No |

| | Forensic Falcon®-NEO | Talon® Ultimate |
|---|---|---|
| Resume Function | Yes – Can manually or automatically resume aborted imaging tasks or if power to the Falcon-NEO has been interrupted. | No |
| Image Restore | Yes – Restore a case that was previously captured using Falcon-NEO (e01, ex01, dd, .dmg) to its original format. | No |
| End of task notification | Yes – Email/SMS and/or sound on success and/or error. | Yes – Sound on success and/or error. |
| Hash Algorithms | MD5, SHA1, SHA256. Dual Hash (MD5+SHA1). SHA1+SHA256 and MD5+SHA256 available with ex01. | MD5, SHA1, SHA256. Dual Hash (MD5+SHA1) |
| Multi-task. Image from multiple sources to multiple destinations. Image to one drive, wipe another concurrently | Yes – Image simultaneously from multiple sources to multiple destinations, including a network repository. Image to one location while hashing and/or wiping a second drive. Perform up to 5 tasks concurrently. Little or no speed degradation when imaging from 2 sources to 2 destinations simultaneously. | Yes – Same as Falcon-NEO with the activation of the Multi-Task Option which activates a 2nd SATA/SAS-ready source port and allows running multiple imaging, wipe, and hash tasks. |
| Targeted Imaging. Create a logical image, filter, use keyword search | Yes – Create a logical image by using pre-set filters, custom filters, signature filters, and keyword search. Format out to L01, LX01, ZIP, or directory tree. | Yes – The File to File Option allows creating a logical image by using pre-set filters, custom filters, signature filters, and keyword search. Format out to L01, LX01, ZIP, or directory tree. Requires the activation of the Targeted/Logical Imaging Option. |
| Image to/from a network repository | Yes – Using CIFS or iSCSI protocols. Two 10 GbE ports are available. | Yes – Using CIFS or iSCSI protocols using one Gigabit Ethernet port. |
| Error Handling/Error Granularity | Provides error granularity settings to improve error handling. Changing the granularity allows more sectors to be skipped. There are 3 options (512 Bytes, 4096 Bytes, 64 KiB). Reverse Read can be set. | Provides error granularity settings to improve error handling. Changing the granularity allows more sectors to be skipped. There are 3 options (512 Bytes, 4096 Bytes, 64 KiB). No Reverse Read feature. |
| Image from a Mac® | Yes – Image from a Mac® with USB-C ports using Target Disk Mode (requires a USB-C to USB-A cable) or image a source drive from a Mac on the same network and use Logicube's USB boot device. Supports MacBook Pro®. | Yes – Capture from a Mac® booted in target disk mode using the FireWire port or use the USB Boot Client to image over a network connection. Supports MacBook Pro and Mac computers with USB-C ports. |
| Parallel Imaging - Image to multiple destinations with different image formats | Yes – Image to multiple destinations using a different format for each destination (native, dd, e01, ex01, .dmg, file). | Yes. Same as Falcon-NEO. |
| Image from a PC/Laptop without removing the drive | Yes – Create a forensic bootable USB flash drive to image a source drive from a computer on the same network without booting the PC's native OS. Supports Surface PRO 4 and above. | Yes. Same as Falcon-NEO. |
| Network “push” feature | Yes – Push evidence files from destination drives connected to Falcon-NEO or from a Falcon-NEO repository to a network location. Performs a hash during the push process and verifies the file transfer to ensure data integrity. | Yes. Same as Falcon-NEO. |
| Image+Verify concurrently | Yes – Takes advantage of fast destination drives. The duration of total image+verify processing time may be reduced by up to half. | Yes. Same as Falcon-NEO. |
| Image from CD/DVD/Blu-ray | Yes – Use a USB optical drive connected to Falcon-NEO's USB port. Supports multi-session CD/DVDs. | Yes. Same as Falcon-NEO. |
| Image formats | Native, dd, .dmg, e01, ex01 | Yes. Same as Falcon-NEO. |
| Task Macro (set tasks to be performed sequentially) | Users can set specific tasks to be performed sequentially; first, wipe or format the destination drive then hash the source drive then image the source drive. All tasks within the Macro will be performed automatically. Up to 5 concurrent tasks with up to 9 operations. | Yes. Same as Falcon-NEO. |
| Encryption/Decryption | Supports XTS-AES 256 Encryption. Decrypt using Falcon-NEO or open-source, VeraCrypt, TrueCrypt, or OTFE decryption software. | Yes. Same as Falcon-NEO. |
| Display, print, save logs | Yes – Output to PDF, HTML, and XML formats. | Yes. Same as Falcon-NEO. |
| Wipe feature | Yes – Secure Erase and/or single/custom pass/DoD. Secure Erase SATA/SAS/IDE/NVMe SSDs. Custom pass is customizable up to 7 passes. DoD has preconfigured 7 passes. Wipe SSDs at speeds up to 30 GB/min. | Yes. Same as Falcon-NEO. |
| Firmware/Software updates | Free software and firmware updates. Update via a network connection or using a USB thumb drive. | Yes. Same as Falcon-NEO. |
| E01/Ex01 Compression | Yes | Yes |
| Drive spanning | Yes | Yes |
| Blank disk check | Yes | Yes |
| Stealth Mode (turn off display for privacy) | Yes | Yes |

Falcon[®]-NEO

BEST IN CLASS • EFFICIENT • SCALABLE

The next-generation of our ground-breaking Forensic Falcon[®], the Falcon[®]-NEO achieves imaging speeds surpassing 50 GB/min. Efficient and secure digital evidence collection is accomplished with a feature-set that provides sophisticated functionality with a goal to shorten acquisition time. Designed to meet future technological advances in digital forensics, the Falcon-NEO sets new standards in forensic imaging technology.



Falcon[®]-NEO

Falcon[®]-NEO FEATURES

- **Imaging Speeds:**
Image at over 50 GB/min. Clone PCIe to PCIe at over 90 GB/min.
- **Built-in Ports:**
Source: 2 SATA/SAS, 1 USB 3.0, 1 PCIe, 2 I/O ports for custom interface add-on cards
Destination: 2 SATA/SAS, 2 SATA, 3 USB 3.0, 1 PCIe, 1 I/O port for custom interface add-on cards
Network: 2 10 GbE ports
- **Drive Interface Support included:** SATA/SAS, USB, PCIe, mSATA adapter, microSATA adapter, eSATA cable, USB male Type-A to USB 3.1 male Type-C cable
 - Optional adapters:** M.2 and PCIe adapter kit, 2.5"/3.5" IDE adapter, 1.8" & 1.8" IDE ZIF, USB to SATA adapter, USB 3.0 4-port hub, Flash media
 - Optional Modules:** Thunderbolt™/USB-C I/O Card, FireWire®, SCSI, Fibre Channel
 - Optional Software Subscriptions:** Cloud Storage Acquisition Option, Mobile Device Capture Option
- **Network Capability:**
2 10 GbE Ports used for remote operation, network repositories, USB Boot Client, network traffic capture and software updates. The two network ports allow for a superior configurable security setup.
- **Wipe Feature:**
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.
- **Multiple Imaging and Capture Modes:**
 - Drive to File** – Creates DD, E01, Ex01, and DMG image files of the Source drive
 - File to File** – Logically image specific file types by file extension, folders/directories, specific files, and from Cloud storage. Cloud Storage Acquisition requires the purchase of a renewable software subscription.
 - Drive to Drive** – Bit-for-bit copy
- Partition to File** – Select and image specific partitions on the source drive.
- Net Traffic to File** – Capture network traffic, internet activity, and VOIP. Sniff data on a network and store captured packets to destination drives. Data is saved to a .pcapng format.
- File to Drive** – Restore Falcon-Neo created DD, E01, Ex01, and DMG image files to their original state
- Mobile to File** – Acquire critical digital evidence from mobile devices, including Apple® iPhones, iPads, Android phones and tablets. Mobile Device Capture requires the purchase of a renewable software subscription.
- **USB Boot Client:**
Image from a computer on the same network without removing the drive from the computer
- **Image from a Mac Computer:**
Image from a Mac computer with USB-C ports using a USB-C to USB-A cable and Target Disk Mode. Users can also image from Mac computers using Logicube's USB Boot Client.



- **File Browser:**
Preview drive contents directly on the Falcon-NEO. The file browser feature provides logical access to source or destination drives and network repositories connected to Falcon-NEO.
- **Concurrent Image + Verify:**
Imaging and verifying concurrently takes advantage of fast destination drives or a 10 GbE connection that are faster than the source drives. Duration of total image process time may be reduced by up to half.
- **Parallel Imaging:**
Simultaneously perform multiple imaging tasks from the same source drive to multiple destinations using different imaging formats. Supports up to 5 imaging tasks at a time.
- **Encryption:**
Secure sensitive evidence data with open-source whole drive NIST recommended XTS-AES-256 encryption cipher mode.
- **Encryption Detection:**
Whole disk and partition level encryption detection. Easily identify Source drives with possible encryption.
- **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.
- **Partition Imaging:**
Select and image specific partitions from the source drive.
- **BitLocker, OPAL, VeraCrypt, and TrueCrypt Decryption Support:**
Decrypt partitions (requires the recovery key or password) and then image the selected partition. BEK (BitLocker Encryption Key) file is supported to unlock FIPS-compliant BitLocker encryption.
- **Network Traffic Capture:**
Capture network traffic, internet activity and VOIP. Sniff data on a network and store captured packets on a hard drive connected to Falcon-NEO.
- **Image Restore:**
File to drive mode restores DD, E01, Ex01, and DMG images created by the Falcon-NEO to another drive.
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped, or the imaging task can automatically abort when bad sectors are encountered. Reverse Read skips the bad block then reads the data backwards potentially capturing data that may not necessarily be read by skipping the entire block.
- **Dimensions:**
10" x 6.75" x 3.25" (254 mm x 171 mm x 83 mm)



Falcon[®]-NEO *(continued)*

Falcon[®]-NEO OPTIONS

• Additional Hardware Options:

Thunderbolt/USB-C I/O card: An optional I/O card supports imaging directly to/from Thunderbolt 3/USB-C and USB 3.1 Gen 2 external drives and storage enclosures. The card connects to either of the 2 write-protected source I/O ports or 1 destination I/O port.



Thunderbolt™/USB-C
I/O Card



Thunderbolt™/USB-C
I/O Card, installed

FireWire Module: The FireWire Module option provides support for FireWire enclosures. The FireWire Module connects to either of the PCIe ports and can provide 1 write-protected FireWire source or destination port.



FireWire Module



FireWire Module, connected

SCSI Module: The SCSI Module option provides support for 68-pin SCSI drives. The SCSI Module connects to either of the PCIe ports and can provide 1 write-protected SCSI source or destination port. Optional adapters are available for 50-pin and 80-pin SCSI drives.



SCSI Module



SCSI Module, connected

Fibre Channel Module: The Fibre Channel Module option provides support for 40-pin Fibre Channel drives. The Fibre Channel Module connects to either of the PCIe ports and provides support for imaging to or from one 40-pin Fibre Channel drive.

An additional kit is available to allow cloning to and from two 40-pin Fibre Channel drives.



Fibre Channel Module



Fibre Channel Module, connected



Falcon®-NEO OPTIONS

• Additional Software Options:

Cloud Storage Acquisition Option: This optional renewable software subscription expands the functionality of the Forensic Falcon®-NEO with a convenient method to quickly acquire data from OneDrive, Google Drive, and Dropbox. Support for other cloud-based drives may be added in the future. Use File to File mode to browse files, use filters or keyword search to select and acquire information. Capture to any destination drive or network repository connected to the Falcon-NEO.

Easily capture critical evidence data from OneDrive, Google Drive, and Dropbox. Requires internet access and user credentials, including two-factor authentication, if enabled.

Capture all files stored on the cloud storage to any destination drive or network repository connected to Falcon-NEO.

Use Falcon-NEO File to File imaging mode to browse files, use pre-set, custom, or file signature filters, and/or keyword search function to select and acquire the specific files you need.

Format output to LX01, L01, ZIP or directory tree.

Mobile Device Capture Option: This optional renewable software subscription expands the functionality of the Forensic Falcon®-NEO with a convenient method to quickly acquire potential evidence data from mobile devices including Apple® iPhones, iPads, Android phones and tablets. For field investigations, adding this software option to the Falcon-NEO reduces the need to bring additional hardware to the scene to collect critical evidence from mobile devices.

Mobile devices are connected to the Falcon®-NEO's USB or optional Thunderbolt/USB-C source port. Capture data to any destination drive or network repository connected to Falcon-NEO. One device type (iOS or Android) at a time.

Easily capture evidence data from passkey-unlocked mobile devices including call logs, iMessages, SMS, MMS, photos, videos, contacts, activity, website history and Wi-Fi settings.

For unlocked iOS devices, the software performs an iTunes backup.

A physical acquisition is performed for rooted Android devices. A logical acquisition is performed for non-rooted Android devices. An Android logical acquisition produces an Android backup file (backup.ab). Call logs, contacts, SMS and calendar are in JSON format. An Android physical acquisition will produce a single dd image file.

Preview Flash-Friendly File System (F2FS) using Falcon-NEO's built-in File Browser.

Audit trail logs are created and can be viewed on Falcon-NEO or via a web browser, exported to XML, HTML or PDF format to a USB enclosure.

Falcon[®]-NEO *(continued)*

Falcon[®]-NEO ACCESSORIES

- **PCIe adapter kit:**

Kit for M.2 PCIe, M.2 NVMe, M.2 SATA, PCIe and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, Mini PCIe and PCIe extender cable.

- **18" extended SATA cable set**

- **USB Flash Reader:**

Used for cloning various flash media, including compact flash, SD cards.

- **USB3 to SATA adapter**

Convert USB 3.0 ports for use with SATA drives.

- **4-port USB 3.0 hub**

- **2.5"/3.5" IDE to SATA adapter**

- **1.8" ZIF to IDE and 1.8" IDE to SATA adapter**

- **USB SATA Kit**

Includes 3 USB3 to SATA adapters and a specialty single power cable for converting the three USB Destination Ports from USB to SATA

- **Falcon-NEO hard case only (with laser-cut foam)**

- **mSATA to SATA adapter (1 included with Falcon-NEO)**

- **microSATA to SATA adapter (1 included with Falcon-NEO)**

- **eSATA cable (1 included with Falcon-NEO)**

- **SATA/SAS data & power replacement cable**

- **50-pin to 68-pin SCSI adapter for use with the Falcon-NEO SCSI Module Option**

- **80-pin to 68-pin SCSI adapter for use with the Falcon-NEO SCSI Module Option**

IN THE BOX

- Power supply & U.S. power cord
- 6 SAS/SATA power & data cables
- 2 CAT 7 network cables
- eSATA to SATA cable (18")
- mSATA to SATA adapter
- microSATA to SATA adapter
- USB 3.0 male type-A to USB 3.1 male type-C cable
- 6 eSATA 6-pin SATA power (for eSATA drives)
- Soft-sided carrying case
- User's Manual on CD-ROM

Falcon®-NEO CASES



Hard case only (with laser-cut foam)



Soft-sided carrying case included

Falcon®-NEO HARDWARE OPTIONS



Fibre Channel Module



FireWire Module



SCSI Module



Thunderbolt™/USB-C I/O Card

Talon® Ultimate

STREAMLINED WORKFLOW • FIELD READY

The Talon® Ultimate delivers advanced, high-performance forensic imaging at unbeatable imaging speeds of over 40 GB/min. Designed for field or forensic lab use, this forensic imager features a compact footprint, user-friendly navigation, and a budget-friendly price. The Talon Ultimate continues the proud legacy of previous generations of the Talon® forensic imaging solutions. Engineered specifically for digital forensic investigators, the Talon Ultimate meets all your forensic imaging, hashing and wiping requirements.



Talon® Ultimate

Talon® Ultimate FEATURES

- **Imaging Speeds:**
Image at over 40 GB/min
- **Built-in Ports:**
Source: 2 SATA/SAS-ready, 1 USB 3.0, 1 PCIe, 1 FireWire® 800
Destination: 2 SATA/SAS-ready, 1 USB 3.0, 1 FireWire 800
Network: 1 Gigabit Ethernet port
- **Drive Interface Support Included:**
SATA/SAS, USB, PCIe, FireWire, 2.5"/3.5" IDE adapter
SAS requires the purchase of optional software activation package
Optional adapters: M.2 and PCIe adapter kit, mSATA, microSATA, eSATA, 1.8" & 1.8" IDE ZIF, USB to SATA adapter, USB 3.0 4-port hub, Flash media
- **Network Capability:**
1 Gigabit Ethernet Port used for remote operation, network repositories, USB Boot Client, and software updates
- **Wipe Feature:**
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.
- **Multiple Imaging and Capture Modes:**
Drive to File – Creates DD, E01, EX01, and DMG image files of the Source drive
File to File – Create a logical image using pre-set, custom filters, and file signatures
- Requires the purchase of optional software activation package
Drive to Drive – Bit-for-bit copy
- **USB Boot Client:**
Image from a computer on the same network without removing the drive from the computer
- **Image from a Mac Computer:**
Image from a Mac computer booted in Target Disk Mode using the write-blocked FireWire port on Talon Ultimate. Mac computers with either FireWire or Thunderbolt™ 2 ports can be connected to the Talon Ultimate. Users can also image from Mac computers using Logicube's USB boot device.
- **File Browser:**
Preview drive contents directly on the Talon Ultimate. The file browser feature provides logical access to source or destination drives connected to Talon Ultimate.
- **Concurrent Image +Verify:**
Imaging and verifying concurrently takes advantage of fast destination drives that are faster than the source drives. Duration of total image process time may be reduced by up to half.
- **Parallel Imaging:**
Perform multiple imaging tasks from the same source drive to multiple destinations using different imaging formats. Supports up to 5 imaging tasks at a time.
- Requires the purchase of optional software activation package
- **Encryption:**
Secure sensitive evidence data with whole disk, open standard, drive encryption using the NIST recommended XTS-AES-256 cipher mode
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors
- **Dimensions:**
7.6" x 5.5" x 2.6" (193 mm x 140 mm x 66 mm)

Talon® Ultimate OPTIONS

• Additional Software Options:

SAS Option: Enables support for SAS drives on Source and Destination ports

Multi-Task Option: Enables a 2nd SATA source port (SAS optional). Provides ability to image multiple source drives to multiple destinations simultaneously. Includes 1 SATA/SAS cable

Targeted/Logical Imaging Option: Enables a feature that allows you to create a logical image using pre-set, custom filters, and file signature

Talon® Ultimate ACCESSORIES

• PCIe adapter kit:

Kit for M.2 PCIe, M.2 NVMe, M.2 SATA, mSATA SSD, PCIe and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, mSATA, Mini PCIe.

- **mSATA to SATA adapter**
- **microSATA to SATA adapter**
- **eSATA cable**
- **18" extended SATA cable set**
- **2.5"/3.5" IDE to SATA adapter (1 Included with Talon Ultimate)**
- **1.8" ZIF to IDE and 1.8" IDE to SATA adapter**
- **USB Flash Reader**
Used for cloning various flash media, including compact flash, SD cards.
- **USB3 to SATA adapter.**
Convert USB 3.0 ports for use with SATA drives.
- **4-port USB 3.0 hub**
- **SATA/SAS data & power replacement cable**
- **Talon Ultimate soft-sided carrying case**
- **Talon Ultimate Hard Case**

Talon® Ultimate CONNECTIVITY



SSD to SSD



PCIe to SSD

Talon® Ultimate CASES



Hard case only (foam not included)



Soft-sided carrying case



- Power supply & U.S. power cord
- 3 SATA/SAS power & data cables
- 1 CAT 6 network cable
- 4 eSATA 6-pin SATA power (for eSATA drives)
- 2.5"/3.5" IDE to SATA adapter
- 1 FireWire cable
- 1 USB 3.0 device cable
- User's Manual on CD-ROM

ZXi™-Forensic

LAB CENTRIC • MULTI-TARGET

Digital forensic labs that routinely handle large amounts of evidence data for review or analysis can take advantage of the ZXi™-Forensic's fast imaging speeds of up to 50GB/min, advanced features, and three Gigabit Ethernet ports to streamline process. The ZXi-Forensic's Push feature allows users to upload images from destination/evidence drives directly to a network repository simultaneously. The ZXi-Forensic's ability to image up to 3 source/suspect drives directly to a network repository and at the same time image to 6 destination/evidence drives (when you add the optional 3-Port Expansion Kit) provides efficiency and quick access to forensic evidence data.



ZXi™-Forensic

ZXi™-Forensic FEATURES

- Imaging Speeds:**
Image at over 50 GB/min
- Built-in Ports:**
Source: 3 SATA/SAS, 1 USB 3.0
Destination: 3 SATA/SAS, 2 USB 3.0
 Optional expansion kit available adding 2 SATA/SAS and 1 SATA only targets
Network: 2 Gigabit Ethernet ports
- Drive Interface Support Included:**
SATA/SAS, USB
Optional adapters: PCIe Bridge (for M.2 PCIe support), 2.5"/3.5" IDE, mSATA, microSATA, eSATA, 1.8" IDE, 1.8" ZIF, Flash media
- Network Capability:**
2 Gigabit Ethernet Ports used for remote operation, network repositories, USB Boot Client, and software updates. The three network ports allow for a superior configurable security setup.
- Wipe Feature:**
Secure Erase, DoD wipe, and custom pass settings. Complies with NIST 800-88 guidelines.
- Multiple Imaging and Capture Modes:**
Drive to File – Creates DD, E01, and Ex01, image files of the Source drive
File to File – Image specific file types by extension (.pdf, .jpg, .mp4, etc.)
Drive to Drive – Bit-for-bit copy
- USB Boot Client:**
Image from a computer on the same network without removing the drive from the computer.
- File Browser:**
Preview drive contents directly on the ZXi Forensic. The file browser feature provides logical access to source or destination drives connected to ZXi Forensic.
- Concurrent Image+ Verify:**
Imaging and verifying concurrently takes advantage of fast destination drives that are faster than the source drives. Duration of total image process time may be reduced by up to half.
- Parallel Imaging:**
Simultaneously perform multiple imaging tasks from the same source drive to multiple destinations using different imaging formats. Supports up to 5 imaging tasks at a time.
- Encryption:**
Secure sensitive evidence data with open-source whole drive NIST recommended XTS-AES-256 encryption cipher mode.
- Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped, or the imaging task can automatically abort when bad sectors are encountered.
- Dimensions:**
3.7" x 19" x 17.2" (94 mm x 483 mm x 437 mm)

ZXi™-Forensic OPTIONS

• Additional Hardware Options:

3-Port Drive Expansion Kit: Provides an additional 2 SATA/SAS and 1 SATA-only drive stations. Includes 3 drive stations, 3 cables, and a drive tray.



3-Port Drive Expansion Kit

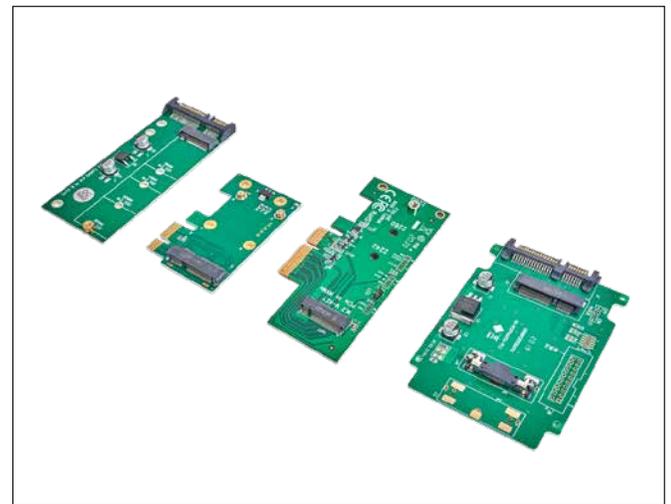
PCIe Bridge Kit: USB 3 host connection supports PCIe SSDs (M.2 NVMe and AHCI types). Includes PCIe Bridge plus 1 each M.2 PCIe, M.2 SATA, mSATA, Mini PCIe.



PCIe Bridge Kit

ZXi™-Forensic ACCESSORIES

- 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:**
Used for cloning various flash media, including compact flash, SD cards.
- **SATA/SAS data & power replacement cable**



Adapters included with the PCIe Bridge Kit



- Power supply and U.S. power cord
- 6 SATA/SAS 5" power & data cables

- 3 CAT 6 network cables
- User's manual on CD-ROM

WriteProtect™-BAY

SUPPORT FOR 5 DIFFERENT SIMULTANEOUS INTERFACE TECHNOLOGIES

The WriteProtect™-BAY write-blocker provides secure, read-only, write-blocked access to SAS, SATA, USB3.0, FireWire®, IDE (IDE supported with an adapter) and PCIe M.2 suspect hard drives. Extremely fast performance is powered by a SuperSpeed USB 3.0 host connection to easily manage large capacity hard drives. The WriteProtect-BAY provides support for 5 different simultaneous interface technologies in a 5.25", half-height design that fits into the drive bay of your forensic workstation.



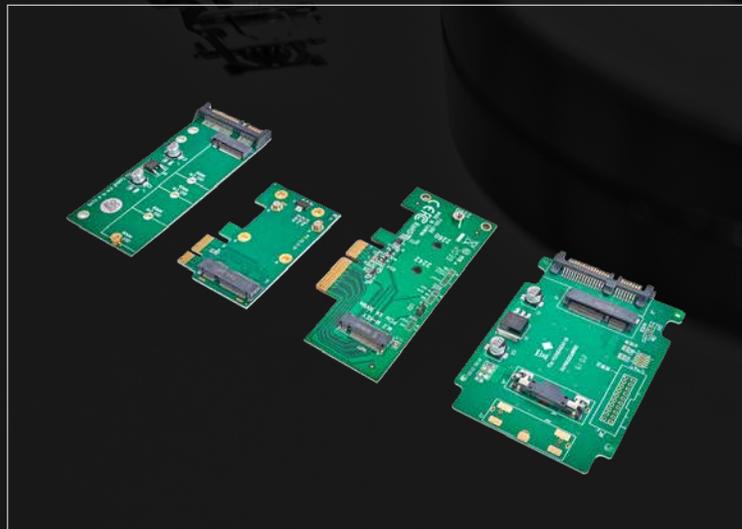
WriteProtect™-BAY

WriteProtect™-BAY FEATURES

- **Built-in Ports:**
2 SATA/SAS, 1 USB 3.0, 1 PCIe, 1 FireWire® 800
Network: 1 Gigabit Ethernet port
- **Drive Interface Support Included:**
SATA/SAS, USB, PCIe, FireWire, 2.5"/3.5" IDE
- **Optional adapters:** M.2 and PCIe adapter kit, mSATA, microSATA, eSATA, 1.8" & 1.8" IDE ZIF, USB to SATA adapter, Flash media
- **Network Capability:**
1 Gigabit Ethernet Port used for remote browsing and software updates.
- **Multi-Task:**
Improve efficiency and shorten the evidence collection process with the ability to image (using your own forensic imaging software) multiple source drives simultaneously.
- **Preview Drives:**
Preview drives connected to WriteProtect using the browser-based user interface.
- **Browser-based User Interface:**
Use the browser-based user interface to manage all WriteProtect operations including software updates. Connect to your network using the WriteProtect's Gigabit Ethernet Port.
- **5 LEDs:**
Easily monitor functions with 5 LEDs for power, host, device, activity and HPA/DCO detection.
- **HPA/DCO:**
HPA/DCO detection and capture is easily managed via the WriteProtect's browser-based user interface.
- **Dimensions:**
8.3" x 5.75" x 1.63" (211 mm x 146 mm x 42 mm)

WriteProtect™-BAY ACCESSORIES

- **PCIe adapter kit:**
Kit for M.2 PCIe, M.2 NVMe, M.2 SATA, mSATA SSD, PCIe and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, mSATA, Mini PCIe.
- **mSATA to SATA adapter**
- **microSATA to SATA adapter**
- **eSATA cable**
- **18" extended SATA cable set**
- **2.5"/3.5" IDE to SATA adapter (1 Included with WriteProtect-BAY)**
- **1.8" ZIF to IDE and 1.8" IDE to SATA adapter**
- **USB Flash Reader:**
Used for cloning various flash media, including compact flash, SD cards.
- **USB3 to SATA adapter:**
Convert USB 3.0 ports for use with SATA drives.
- **SATA/SAS data & power replacement cable**



PCIe adapter kit

IN THE BOX

- 2 SAS/SATA power and data cables
- 1 Firewire cable
- 1 2.5"/3.5" IDE to SATA adapter
- 1 USB 3.0 Type-A Male to Micro-B cable
- 1 CAT 6 network cable
- 1 Dual 4-pin molex to 6-pin PCIe Y adapter
- User's Manual on CD-ROM

WriteProtect™-DESKTOP

SUPPORT FOR 5 DIFFERENT SIMULTANEOUS INTERFACE TECHNOLOGIES

The WriteProtect-DESKTOP provides digital forensic professionals with fast, secure, read-only write-blocking of suspect hard drives. The only portable write-blocker that provides support and mounting for 5 different simultaneous interface technologies, the WriteProtect-DESKTOP is the ideal write-block solution for lab or field acquisitions.



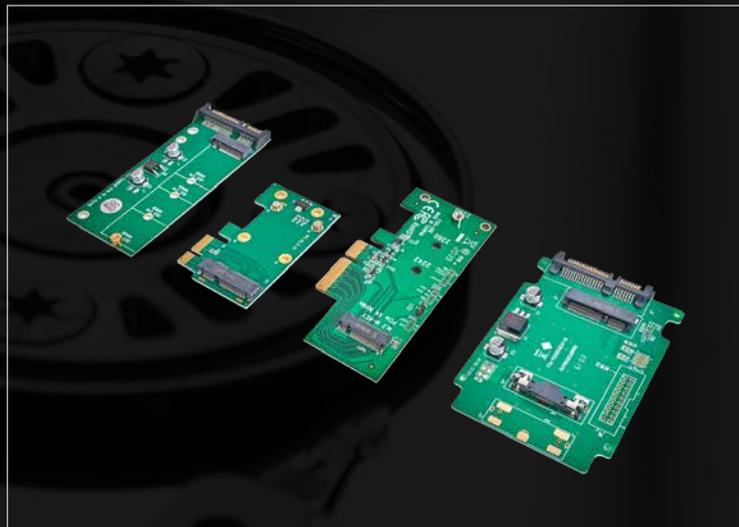
WriteProtect™-DESKTOP

WriteProtect™-DESKTOP FEATURES

- **Built-in Ports:**
2 SATA/SAS, 1 USB 3.0, 1 PCIe, 1 FireWire® 800
Network: 1 Gigabit Ethernet port
- **Drive Interface Support Included:**
SATA/SAS, USB, PCIe, FireWire, 2.5"/3.5" IDE
Optional adapters: M.2 and PCIe adapter kit, mSATA, microSATA, eSATA, 1.8" & 1.8" IDE ZIF, USB to SATA adapter, Flash media
- **Network Capability:**
1 Gigabit Ethernet Port used for remote browsing and software updates.
- **Multi-Task:**
Improve efficiency and shorten the evidence collection process with the ability to image (using your own forensic imaging software) multiple source drives simultaneously.
- **Preview Drives:**
Preview drives connected to WriteProtect using the browser-based user interface.
- **Browser-based User Interface:**
Use the browser-based user interface to manage all WriteProtect operations including software updates. Connect to your network using the WriteProtect's Gigabit Ethernet Port.
- **8 LEDs:**
Easily monitor functions with 8 LEDs for power, host, device, activity and HPA/DCO detection.
- **HPA/DCO:**
HPA/DCO detection and capture is easily managed via the WriteProtect's browser-based user interface.
- **Dimensions:**
7.87" x 5.37" x 2.3" (200 mm x 136 mm x 58 mm)

WriteProtect™-DESKTOP ACCESSORIES

- **PCIe adapter kit:**
Kit for M.2 PCIe, M.2 NVMe, M.2 SATA, mSATA SSD, PCIe and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, mSATA, Mini PCIe.
- **mSATA to SATA adapter**
- **microSATA to SATA adapter**
- **eSATA cable**
- **18" extended SATA cable set**
- **2.5"/3.5" IDE to SATA adapter (1 Included with WriteProtect-DESKTOP)**
- **1.8" ZIF to IDE and 1.8" IDE to SATA adapter**
- **USB Flash Reader:**
Used for cloning various flash media, including compact flash, SD cards.
- **USB3 to SATA adapter:**
Convert USB 3.0 ports for use with SATA drives.
- **SATA/SAS data & power replacement cable**



PCIe adapter kit



- Power supply & U.S. power cord
- 2 SAS/SATA power & data cables
- 1 Firewire cable
- 1 2.5"/3.5" IDE to SATA adapter
- 1 USB 3.0 Type-A Male to Micro-B cable
- 1 CAT6 network cable
- User's Manual on CD-ROM

WriteProtect™-PORTABLE

3 INTERFACES IN ONE • BUDGET FRIENDLY

The WriteProtect™-PORTABLE write-blocker provides secure, read-only, write-blocked access to PCIe, SATA, and USB 3.0 suspect hard drives. Extremely fast performance is powered by a SuperSpeed USB 3.0 host connection to easily manage large capacity hard drives. The WriteProtect-PORTABLE supports 3 interfaces in a single, compact and easy-to-transport device. Designed to work efficiently in the field or in the lab, this affordable write-blocking solution is a must-have for every digital forensic investigator.



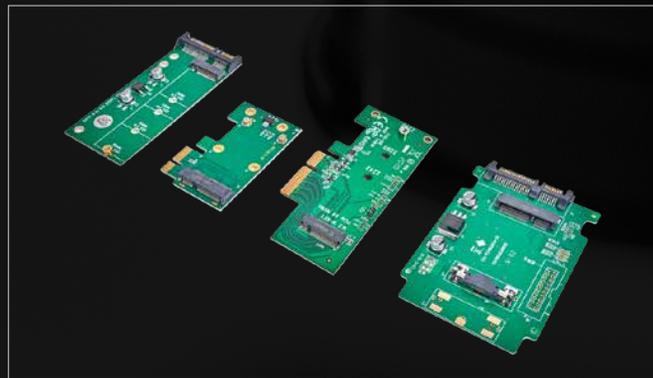
WriteProtect™-DESKTOP

WriteProtect™-PORTABLE FEATURES

- **Built-in Ports:**
1 SATA, 1 USB 3.0, 1 PCIe
Network: 1 Gigabit Ethernet port
- **Drive Interface Support Included:**
SATA, USB, PCIe
Optional adapters: M.2 and PCIe adapter kit, 2.5"/3.5" IDE, mSATA, microSATA, eSATA, 1.8" & 1.8" IDE ZIF, Flash media
- **Network Capability:**
1 Gigabit Ethernet Port used for remote browsing and software updates.
- **Preview Drives:**
Preview drives connected to WriteProtect using the browser-based user interface.
- **Browser-based User Interface:**
Use the browser-based user interface to manage all WriteProtect operations including software updates, connect to your network using the WriteProtect's Gigabit Ethernet Port.
- **6 LEDs:**
Easily monitor functions with 6 LEDs for power, host, device, activity and HPA/DCO detection.
- **HPA/DCO:**
HPA/DCO detection and capture is easily managed via the WriteProtect's browser-based user interface.
- **Dimensions:**
6.2" x 4.3" x 2" (157 mm x 110 mm x 51 mm)

WriteProtect™-PORTABLE ACCESSORIES

- **PCIe adapter kit:**
Kit for M.2 PCIe, M.2 NVMe, M.2 SATA, mSATA SSD, PCIe and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, mSATA, Mini PCIe.
- **mSATA to SATA adapter**
- **microSATA to SATA adapter**
- **eSATA cable**
- **18" extended SATA cable set**
- **2.5/3.5" IDE to SATA adapter**
- **1.8" ZIF to IDE and 1.8" IDE to SATA adapter**
- **USB Flash Reader:**
Used for cloning various flash media, including compact flash, SD cards.
- **SATA data & power replacement cable**



PCIe adapter kit



IN THE BOX

- Power supply & U.S. power cord
- 1 SATA power & data cable
- 1 USB 3.0 Type-A Male to Micro-B cable
- 1 CAT 6 network cable
- User's manual on CD-ROM

HARD DRIVE DUPLICATION

Logicube, the world's leader in hard drive duplication solutions, delivers cost-effective, feature-rich products for IT professionals around the globe. From the simple upgrade of a computer's hard disk drive, to software deployment across the enterprise and in the field, drive replacements or mass production of computer hard drives, we have the disk cloning solution you need.

- Logicube's hard drive duplication solutions attain cloning speeds of up to 29 GB/min
- Provide support for PCIe, NVMe, SAS, SCSI, FireWire, and Thunderbolt drives
- Wipe drives according to NIST 800-88 standards
- Can multi-task and perform parallel imaging
- Provide a variety of cloning methods
- Hash and verify during the cloning task
- Supports all Operating Systems

Whether you need to clone one to 5,000 hard disks these powerful solutions come complete with everything you need to get started. We also offer a complete selection of accessories, adapters and extended length cables to support all your duplication task your duplication tasks. Logicube's attention to quality, performance & ease of use make it the number one choice of IT departments around the world.



ZClone™ Xi (ZXi)



SuperSonix®-NG PCIe

PRODUCT COMPARISON CHART

| | EchoPlus™-NG | SuperSonix®-NG PCIe | ZClone™-Xi | ZXi™-10G | SCSI-NG | ZX-Tower™ |
|---|---|--|--|---|--|--|
| Maximum number of Master drives | <ul style="list-style-type: none"> • 1 SATA • 1 USB 3.0 • 1 PCIe <p>Only 1 drive can be used at a time</p> | <ul style="list-style-type: none"> • 2 SATA/SAS-ready • 1 USB 3.0 • 1 PCIe • 1 FireWire® 800 <p>SAS and FireWire support as an additional option</p> | <ul style="list-style-type: none"> • 6 SATA/SAS-ready • 3 USB 3.0 <p>All ports can be set as Master, Target, or Both</p> | <ul style="list-style-type: none"> • 6 SATA/SAS-ready • 9 USB 3.0 • 1 USB 3.1 Gen 2 • 1 Thunderbolt™/USB-C <p>All ports can be set as Master, Target, or Both</p> | 1 SCSI | N/A |
| Maximum number of target drives | <ul style="list-style-type: none"> • 1 SATA • 1 USB 3.0 • 1 PCIe <p>Only 1 drive can be used at a time</p> | <ul style="list-style-type: none"> • 2 SATA/SAS-ready • 1 USB 3.0 • 1 PCIe • 1 FireWire® 800 <p>SAS and FireWire support as an additional option</p> | <ul style="list-style-type: none"> • 6 SATA/SAS-ready • 3 USB 3.0 <p>All ports can be set as Master, Target, or Both</p> | <ul style="list-style-type: none"> • 6 SATA/SAS-ready • 9 USB 3.0 • 1 USB 3.1 Gen 2 • 1 Thunderbolt™/USB-C <p>All ports can be set as Master, Target, or Both</p> | 1 SCSI | <ul style="list-style-type: none"> • 8 3.5" SATA/SAS • 4 USB 3.0 |
| Cloning Speed | Up to 18 GB/min | Up to 24 GB/min | Exceeding 27 GB/min | Exceeding 29 GB/min | Up to 8 GB/min | Sanitize up to 24 GB/min |
| Display | 3.5" Color touch-screen with stylus | 7" Color touch-screen | 7" Color touch-screen | 7" Color touch-screen | 3.5" Color touch-screen with stylus | 5" Color touch-screen |
| Hash & Verification | SHA-1, SHA-256, MD5 <i>Verification available as an additional option</i> | SHA-1, SHA-256, MD5 <i>Verification available as an additional option</i> | SHA-1, SHA-256, MD5 <i>Verification available as an additional option</i> | SHA-1, SHA-256, MD5 <i>Verification available as an additional option</i> | SHA-1, SHA-256, MD5 <i>Verification available as an additional option</i> | N/A |
| Ethernet Port | 1 Gigabit | 1 Gigabit | Two 1 Gigabit | Two 10 GbE, two 1 Gigabit | 1 Gigabit | Two 1 Gigabit |
| M.2 PCIe SSD Support (NVMe/AHCI) | Yes <i>With optional adapter</i> | Yes <i>With optional adapter</i> | Yes <i>With optional PCIe bridge kit</i> | Yes <i>With optional PCIe expansion module</i> | No | Yes (NVMe only) <i>With optional adapter</i> |
| Wipe/Sanitize | Yes | Yes | Yes | Yes | Yes, as an additional option | Yes |
| USB Boot Client | No | Yes <i>With the purchase of the Network Option</i> | Yes | Yes | No | No |
| Task Macro | No | Yes | Yes | Yes | No | Yes |
| Multi session | No | Yes | Yes | Yes | No | Yes |
| Multi-Image Master | Yes, as an additional option | Yes | Yes | Yes | Yes | N/A |
| Remote Operation | Yes | Yes | Yes | Yes | Yes | Yes |
| Mirror Clone Method | Yes | Yes | Yes | Yes | Yes | N/A |
| Clever Clone Method | Yes | Yes | Yes | Yes | Yes | N/A |

EchoPlus™-NG

FAST • PORTABLE • BUDGET-FRIENDLY

This fast, portable and budget-friendly 1 to 1 hard drive duplicator supports cloning PCIe M.2, USB 3.0 and SATA hard drives. The EchoPlus™-NG delivers blazing fast hard drive cloning at 18 GB/min.

This portable cloner provides advanced features not seen in your typical entry-level duplicator, making it easy to accomplish all your cloning and wiping tasks including drive testing, software and OS upgrades, back-ups, new PC rollouts and content/application distribution.



EchoPlus™-NG

EchoPlus™-NG FEATURES

- **Hard Drive Duplication:**
Clone from 1 master drive to 1 target drive.
- **High-Speed Duplication:**
Clone at speeds of up to 18 GB/min.
- **Built-in Ports:**
Master: 1 SATA, 1 USB 3.0, and 1 PCIe
Target: 1 SATA, 1 USB 3.0, and 1 PCIe
Network: 1 Gigabit Ethernet port
- **Drive Interface Support Included:**
SATA, USB, PCIe
Optional adapters: M.2 and PCIe adapter kit, 2.5"/3.5" IDE, mSATA, microSATA, eSATA, 1.8" & 1.8" IDE ZIF, and Flash media.
- **Wipe Feature:**
Secure Erase, DoD wipe, and custom pass settings. Complies with NIST 800-88 guidelines.
- **Multiple Cloning Methods:**
Mirror Method – Bit-for-bit copy. Supports all OS including Windows, Linux, and Mac.
Clever Method – Copies only data areas, skips blank sectors, and scales partitions to target. Supports FAT16/FAT32/NTFS and Linux (ext/ext2/ext3/ext4) file systems.
- **Network Capability:**
1 Gigabit Ethernet port used for remote operation only.
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped or the cloning task can automatically abort when bad sectors are encountered.
- **Dimensions:**
6.2" x 4.2" x 2.1" (158 mm x 107 mm x 53.4 mm)

EchoPlus™-NG OPTIONS

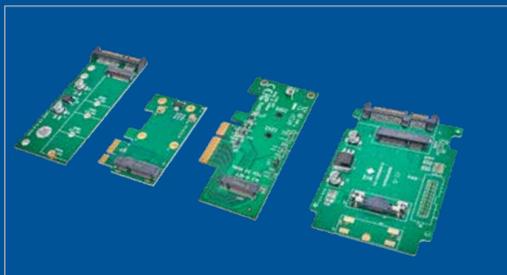
• Additional Software Options:

Hash Verification Option: Clone and verify the exact replication of the master drive in one single process. Features SHA-1, SHA-256 or MD5 algorithms. Hash verification is embedded in the audit trail/log file.

Multi-Image Master Option: Store multiple images created using EchoPlus-NG in a repository on a SATA drive or on a USB enclosure connected to the EchoPlus-NG and then clone to selected target drive.

EchoPlus™-NG ACCESSORIES

- **PCIe adapter kit**
Kit for M.2 PCIe, M.2 NVMe, mSATA SSD, PCIe, and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, mSATA, and Mini PCIe
- **mSATA to SATA adapter**
- **microSATA to SATA adapter**
- **eSATA cable**
- **18" extended SATA cable set**
- **2.5"/3.5" IDE to SATA adapter**
- **1.8" ZIF to IDE and 1.8" IDE to SATA adapter**
- **USB Flash Reader**
Used for cloning various flash media, including compact flash, SD cards.
- **SATA data & power replacement cable**



PCIe adapter kit

EchoPlus™-NG CONNECTIVITY



SSD to SSD



PCIe to PCIe

EchoPlus™-NG CASE



Soft-sided carrying case, shown open



- Power supply & U.S. power cord
- 2 SATA power & data cables
- 1 CAT 6 Network cable
- User's Manual on CD-ROM

SuperSonix®-NG PCIe

UNIQUE • BLAZING FAST • EFFICIENT

The SuperSonix®-NG PCIe hard drive duplicator is a unique portable hard drive cloner on the market that supports PCIe M.2 SSDs including AHCI & NVMe types.

The SuperSonix-NG PCIe delivers blazing fast hard drive cloning at 24 GB/min and efficiently performs hard drive duplicating tasks including PC deployments, OS upgrades, content/application distribution and data back-up tasks. Its compact size makes it ideal for the workbench or mobile on-site applications.



SuperSonix®-NG PCIe

SuperSonix®-NG PCIe FEATURES

- **Hard Drive Duplication:**
Clone from up to 4 master drives to up to 4 target drives.
- **High-Speed Duplication:**
Clone at speeds of up to 24 GB/min.
- **Built-in Ports:**
Master: 2 SATA/SAS-ready, 1 USB 3.0, 1 PCIe, 1 FireWire® 800. SAS and FireWire support as an additional option.
Target: 2 SATA/SAS-ready, 1 USB 3.0, 1 PCIe, 1 FireWire 800. SAS and FireWire support as an additional option.
Network: 1 Gigabit Ethernet port
- **Drive Interface Support included:**
SATA/SAS, USB, PCIe, FireWire
SAS and FireWire require the purchase of optional software activation packages.
Optional adapters: M.2 and PCIe adapter kit, 2.5"/3.5" IDE, mSATA, microSATA, eSATA, 1.8" & 1.8" IDE ZIF, USB 3.0 4-port hub, Flash media.
- **Wipe Feature:**
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.
- **Multiple Cloning Methods:**
Mirror Method – Bit-for-bit copy. Supports all OS including Windows, Linux, and Mac.
Clever Method – Copies only data areas, skips blank sectors, scales partitions to target. Supports FAT16/FAT32/NTFS and Linux (ext/ext2/ext3/ext4) file systems.
- **USB Boot Client:**
Clone from/to a computer on the same network without removing the drive from the computer.
- **Network Capability:**
1 Gigabit Ethernet port used for remote operation, network repositories, USB Boot Client, and software updates.
- **Multi-Session Capability:**
Allows users to perform multiple tasks including cloning, wiping, or hashing concurrently.
- **Task Macro:**
Allow users to set specific tasks to be performed sequentially. For example, set task 1 to wipe a target drive, then task 2 to clone from a master to that same target.
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped or the cloning task can automatically abort when bad sectors are encountered.
- **Dimensions:**
7.6" x 5.5" x 2.6" (193 mm x 140 mm x 66 mm)

SuperSonix®-NG PCIe OPTIONS

• Additional Software Options:

Hash Verification Option: Clone and verify the exact replication of the master drive in one single process. Features SHA-1, SHA-256 or MD5 algorithms. Hash verification is embedded in the audit trail/log file.

Network Option: Enables cloning images to/from network repositories.

SAS Option: Enables support for SAS drives.

FireWire Option: Enables FireWire ports for FireWire enclosures and Mac cloning through FireWire and Target Disk Mode.

SuperSonix®-NG PCIe ACCESSORIES

• PCIe adapter kit:

Kit for M.2 PCIe, M.2 NVMe, M.2 SATA, mSATA SSD, PCIe and mini-PCIe cards. Includes 1 each: M.2 PCIe, M.2 SATA, mSATA, and Mini PCIe.

• mSATA to SATA adapter

• microSATA to SATA adapter

• eSATA cable

• 18" extended SATA cable set

• 2.5"/3.5" IDE to SATA adapter

• 1.8" ZIF to IDE and 1.8" IDE to SATA adapter

• USB Flash Reader:

Used for cloning various flash media, including compact flash, SD cards.

• USB3 to SATA adapter:

Convert USB 3.0 ports for use with SATA drives.

• 4-port USB 3.0 hub

• SATA/SAS data & power replacement cable

SuperSonix®-NG PCIe CONNECTIVITY



SSD to SSD



PCIe to PCIe

SuperSonix®-NG PCIe CASES



Soft-sided carrying case.



Hard case only (foam not included)



- Power supply & U.S. power cord
- 4 SATA/SAS power & data cables
- 1 CAT 6 Network cable

- 4 eSATA 6-pin SATA power (for eSATA drives)
- User's Manual on CD-ROM

ZClone™ Xi (ZXi)

MULTI-TARGET • INDUSTRIAL STRENGTH

The ZClone™ Xi (ZXi) delivers blazing fast hard drive duplication at 24 GB/min with an easy-to-use and intuitive interface. This industrial-strength hard drive cloner provides IT professionals with a solution that efficiently performs hard drive duplicating tasks including PC deployments, OS upgrades, content/application distribution and data back-up tasks.



ZClone™ Xi (ZXi)

ZClone™ Xi (ZXi) FEATURES

- **Hard Drive Duplication:**
Clone up to 6 SATA/SAS-ready targets or up to 10 targets with optional 4-port expansion kit.
- **High-Speed Duplication:**
Clone at speeds exceeding 27 GB/min.
- **Built-in Ports:**
6 SATA/SAS-ready
3 USB 3.0

Network: 2 Gigabit Ethernet ports
All drive ports can be set as Master, Target, or both.

Optional 4-Port Expansion Kit available adding 2 SATA/SAS-ready and 2 SATA-only targets. SAS Support as an additional option.
- **Drive Interface Support Included:**
SATA/SAS, USB
SAS requires the purchase of an optional software activation package.

Optional adapters: PCIe Bridge (for M.2 PCIe support), 2.5"/3.5" IDE, mSATA, microSATA, eSATA, 1.8" IDE, 1.8" ZIF, and Flash media.
- **Wipe Feature:**
Secure Erase, DoD wipe, and custom pass settings. Complies with NIST 800-88 guidelines.
- **Multiple Cloning Methods:**
Mirror Method – Bit-for-bit copy. Supports all OS including Windows, Linux, and Mac.
Clever Method – Copies only data areas, skips blank sectors, scales partitions to target. Supports FAT16/FAT32/NTFS and Linux (ext/ext2/ext3/ext4) file systems.
- **USB Boot Client:**
Clone from/to a computer on the same network without removing the drive from the computer.
- **Network Capability:**
2 Gigabit Ethernet ports used for remote operation, network repositories, USB Boot Client, and software updates.
- **Multi-Session Capability:**
Allows users to perform multiple tasks including cloning, wiping, or hashing concurrently.
- **Task Macro:**
Allow users to set specific tasks to be performed sequentially. For example, set task 1 to wipe a target drive then task 2 to clone from a master to that same target.
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped or the cloning task can automatically abort when bad sectors are encountered.
- **Laptop Cloning Version:**
Customers can purchase a version of the ZXi that is shipped with a factory-installed feature that supports the cloning of 6 laptops (Windows or Mac x86 based) or tablets (Windows x86 based) and 6 hard drives simultaneously without removing hard drives from the laptops. Tablets require a docking station enabled with an Ethernet port.
- **Dimensions:**
3.7" x 19" x 17.2" (94 mm x 483 mm x 437 mm)



ZClone™ Xi (ZXi) Laptop

ZClone™ Xi (ZXi) OPTIONS

• Additional Hardware Options:

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.



4-Port Drive Expansion Kit

PCIe Bridge Kit: USB 3 host connection supports PCIe SSDs (M.2 NVMe and AHCI types). Includes PCIe Bridge plus 1 each M.2 PCIe, M.2 SATA, mSATA, and Mini PCIe.



PCIe Bridge Kit

• Additional Software Options:

Hash Verification Option: Clone and verify the exact replication of the master drive in one single process. Features SHA-1, SHA-256, or MD5 algorithms. Hash verification is embedded in the audit trail/log file.

SAS Option: Enables support for SAS drives.

ZClone™ Xi (ZXi) ACCESSORIES

- 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:**
Used for cloning various flash media, including compact flash, SD cards.
- **SATA/SAS data & power replacement cable**

ZClone™ Xi (ZXi) CONNECTIVITY



ZClone™ Xi with 4-port Drive Expansion Kit



- Built-in power supply & U.S. power cord

- 6 SATA/SAS 5" data & power cables
- User's Manual on CD-ROM

ZXi™ -10G

BLAZING FAST • PCIE READY • 10GbE ENABLED

The ZXi™ -10G provides the ability, with an optional 7-Port PCIe Expansion Module and adapters to clone PCIe M.2 NVMe drives. The ZXi-10G is the first hard drive duplicator on the market to include two 10 GbE network connections, allowing you to streamline your workflow and clone directly to or from a network repository or a NAS device. The ZXi-10G efficiently performs hard drive duplication and wiping tasks including PC deployments, OS upgrades, content/application distribution and data back-up tasks.



ZXi™ -10G

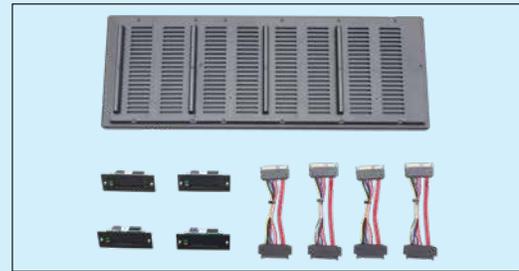
ZXi™ -10G FEATURES

- **High-Speed Duplication:**
Clone up to 6 SATA/SAS-ready targets or up to 10 targets with optional 4-port expansion kit.
- **High-Speed Duplication:**
Clone at speeds exceeding 29 GB/min.
- **Built-in Ports:**
6 SATA/SAS-ready
9 USB 3.0
1 USB 3.1 Gen 2
1 Thunderbolt™/USB-C
Network: 2 10 GbE ports, 2 Gigabit Ethernet ports
All drive ports can be set as Master, Target, or both.
- **Optional 4-Port Expansion Kit** available adding 2 SATA/ SAS-ready and 2 SATA-only targets. SAS Support as an additional option.
- **Optional 7-Port PCIe Expansion Module** supports up to 7 PCIe drives as an additional option.
- **Drive Interface Support Included:**
SATA/SAS, USB, Thunderbolt/USB-C. SAS requires the purchase of an optional software activation package.
- **Optional adapters:** PCIe Expansion Module (for PCIe and M.2 support), 2.5"/3.5" IDE, mSATA, microSATA, eSATA, 1.8" IDE, 1.8" ZIF, Flash media
- **Wipe Feature:**
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.
- **Multiple Cloning Methods:**
Mirror Method – Bit-for-bit copy. Supports all OS including Windows, Linux, and Mac.
Clever Method – Copies only data areas, skips blank sectors, scales partitions to target. Supports FAT16/ FAT32/NTFS and Linux (ext/ext2/ext3/ext4) file systems.
- **USB Boot Client:**
Clone from/to a computer on the same network without removing the drive from the computer.
- **Network Capability:**
2 10 GbE and 2 Gigabit Ethernet ports used for remote operation, network repositories, USB Boot Client, and software updates.
- **Multi-Session Capability:**
Allows users to perform multiple tasks including cloning, wiping, or hashing concurrently.
- **Task Macro:**
Allow users to set specific tasks to be performed sequentially. For example, set task 1 to wipe a target drive, then task 2 to clone from a master to that same target.
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped or the cloning task can automatically abort when bad sectors are encountered.
- **Dimensions:**
3.7" x 19" x 17.2" (94 mm x 483 mm x 437 mm)

ZXi™-10G OPTIONS

• Additional Hardware Options:

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.



4-Port Drive Expansion Kit

7-Port PCIe Expansion Module: Provides support for up to 7 PCIe drives (including M.2 NVMe and AHCI types). Includes PCIe Expansion Module plus 7 M.2 PCIe adapters.



7-Port PCIe Expansion Module

• Additional Software Options:

Hash Verification Option: Clone and verify the exact replication of the master drive in one single process. Features SHA-1, SHA-256 or MD5 algorithms. Hash verification is embedded in the audit trail/log file.

SAS Option: Enables support for SAS drives.

ZXi™-10G ACCESSORIES

- 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:**
Used for cloning various flash media, including compact flash, and SD cards.
- **SATA/SAS data & power replacement cable**

ZXi™-10G CONNECTIVITY



ZXi™-10G PCIe Expansion Module



- Built-in power supply & U.S. power cord
- 6 SATA/SAS 5" data & power cables

- 4 CAT 7 network cables
- User's Manual on CD-ROM

ZX-Tower™ (ZX-T)

SECURE • RELIABLE • EASY

The ZX-Tower™ (ZX-T) wipe-only solution provides secure wiping of hard disk drives and USB enclosures. This reliable solution allows organizations to easily comply with NIST 800-88 guidelines for media sanitization.



ZX-Tower™ (ZX-T)

ZX-Tower™ (ZX-T) FEATURES

- **Hard Drive Wiping:**
Wipe up to 8 target hard drives and 4 USB 3.0 enclosures simultaneously.
- **High-Speed Wiping:**
The ZX-T will sanitize hard drives at speeds exceeding 24 GB/min.
- **Built-in Ports:**
8 3.5" SATA/SAS, 4 USB 3.0
Network: 2 Gigabit Ethernet ports
- **Drive Interface Support Included:**
3.5" SATA/SAS, USB
Optional adapters: NVMe M.2, SATA M.2, 2.5" SATA, 2.5" SATA/SAS, 2.5"/3.5" IDE, microSATA, eSATA, 1.8" IDE, 1.8" ZIF, and Flash media.
- **Wipe Feature:**
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.
- **Network Capability:**
2 Gigabit Ethernet ports used for remote operation and software updates.
- **Multi-Session Capability:**
Allows users to perform multiple wipe tasks concurrently.
- **Dimensions:**
17" x 17" x 7.5" (432 mm x 432 mm x 191 mm)

ZX-Tower™ (ZX-T) ACCESSORIES

- **M.2 NVMe PCIe SSD to USB adapter**
- **USB Flash Reader:**
Used for cloning various Flash media, including Compact Flash, and SD cards.
- **2.5" to 3.5" SATA drive cartridge adapter:**
Supports 2.5" SATA drives up to 9mm in height.
- **2.5" SAS cartridge adapter:**
Supports SAS/SATA drives including drives greater than 9mm. 2.5" SAS cartridge adapter required when using the following optional adapters:
 - | mSATA
 - | M.2 SATA
 - | microSATA
 - | ZIF 1.8 Pack (includes 1.8" IDE and 1.8" ZIF)
- **ZX-T SATA/SAS Extension Adapter:**
Tower bay insert with extended cable. ZX-T SATA/SAS Extension Adapter required when using the following optional adapters:
 - | 2.5"/3.5" IDE
 - | eSATA



IN THE BOX

• Built-in power supply & U.S. power cord

• User's Manual on CD-ROM

SCSI-NG

CONVENIENT • COMPREHENSIVE

The SCSI-NG offers a small desktop footprint for cloning SCSI hard drives for back-up, drive testing and all your duplication tasks. The unit features a Gigabit Ethernet network port to conveniently use the browser-based interface to manage all SCSI-NG operations.

Comprehensive log reports provide detailed information about each task performed. An optional Wipe feature that complies with NIST 800-88 can securely erase hard drives using a SCSI format command, a custom pass, or a 7 pass DoD specification wipe.



SCSI-NG

SCSI-NG FEATURES

- **Hard Drive Duplication:**
Clone from 1 SCSI master to 1 SCSI target drive
- **Duplication Speed:**
Clone at speeds of up to 8 GB/min
- **Built-in Ports:**
Master and Target: One SCSI master and one SCSI target
Network: 1 Gigabit Ethernet port
Drive Interface Support (included):
68-pin SCSI
Optional adapters: 68-to-80 pin SCSI and 68-to-50 pin SCSI
- **Wipe Feature:**
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.

Requires the purchase of an optional software activation package.
- **Multiple Cloning Methods:**
Mirror Method – Bit-for-bit copy. Supports all OS including Windows, Linux and Mac.
Clever Method – Copies only data areas, skips blank sectors, scales partitions to target. Supports FAT16/ FAT32/NTFS and Linux (ext/ext2/ext3/ext4) file systems.
- **Network Capability:**
1 Gigabit Ethernet port used for remote operation, network repositories, and software updates
- **Error Handling:**
Three cluster size settings provide more control over handling bad sectors. Bad sectors can be skipped or the cloning task can automatically abort when bad sectors are encountered.
- **Dimensions:**
14.5" x 9.5" x 3.5" (368 mm x 241 mm x 89 mm)

SCSI-NG OPTIONS

• Additional Software Options:

Hash Verification Option: Clone and verify the exact replication of the master drive in one single process. Features SHA-1, SHA-256 or MD5 algorithms. Hash verification is embedded in the audit trail/log file.

Wipe Option: Enables sanitizing/wiping SCSI drives using Secure Erase, DoD wipe, or a custom number of passes. Complies with NIST 800-88 guidelines. User selectable option to verify wipe pass value during the wipe process.

SCSI-NG ACCESSORIES

- 68-to-80 pin SCSI adapter
- 68-to-50 pin SCSI adapter
- SCSI data & power replacement cable



IN THE BOX

- Power supply & power cord
- User's Manual on CD-ROM
- 2 68-pin SCSI power cables and data cables

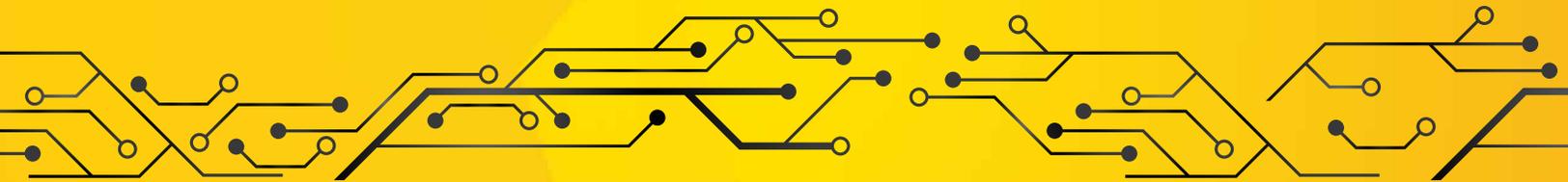
CABLES

| Product | Cable |
|------------------------------------|---------------------------------|
| EchoPlus-NG | SAS/SATA data & power cable |
| EchoPlus-NG | 18" extended SATA cable set |
| Falcon-NEO | SAS/SATA data & power cable. |
| Falcon-NEO | 18" extended SAS/SATA cable set |
| SCSI-NG | 68-pin SCSI data & power cable |
| SuperSonix-NG & SuperSonix-NG-PCIe | SAS/SATA data & power cable |
| SuperSonix-NG & SuperSonix-NG-PCIe | 18" extended SATA/SAS cable set |
| Talon Ultimate | SAS/SATA data & power cable |
| Talon Ultimate | 18" extended SATA/SAS cable set |
| ZCloneXi (ZXi) | SAS/SATA data/power cable set |
| ZCloneXi (ZXi) | 18" extended SATA/SAS cable set |
| ZXi-Forensic | SAS/SATA data/power cable set |
| ZXi-Forensic | 18" extended SATA/SAS cable set |
| ZXi-10G | SAS/SATA data/power cable set |
| ZXi-10G | 18" extended SATA/SAS cable set |

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