



**Intelligent
Computer
Solutions**

Make the intelligent choice...

Image MASter™ 4000PRO FORENSIC UPLOADER

*Acquire and Upload Images in a Single,
Fast, and Secure Process!*

*Fast, Reliable and Versatile Forensic Data Acquisition
Station is the ideal solution for the Forensics Lab, with
native support for SAS, SATA and USB drives*

FEATURES:

- 1 High Speed
- 2 Network Storage Support
- 3 Multiple Drive Interface Support
- 4 Compact Size
- 5 Versatile "Source" Drive Ports
- 6 Cable Free Drive Caddies
- 7 Expandability
- 8 Multiple Operational Modes
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- 11 On-the-Fly Data Encryption
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Image MASter™
4000 PRO UPLOADER

www.ics-iq.com

Image MASter™

4000PRO FORENSIC UPLOADER

Fast, Reliable and Versatile Forensic Data Acquisition Station is the ideal solution for the Forensics Lab, with native support for SAS, SATA and USB drives. The unit's Key Features include the capability of simultaneously acquiring and uploading the Suspect's hard drive data directly to External Storage Media or to a Network Location in a fast and forensically secure environment. Data from up to 8 Suspect drives can be Sequentially Uploaded during Acquisition for Archiving, Sharing or future Analysis. The process of Uploading 8 Suspect drives can be automated without the need of starting 8 separate Acquisition operations. Network Uploads using the unit's native 1Gigabit Ethernet interface offers speeds exceeding 2GB/min, and speeds exceeding 4GB/min when using the unit's optional Expansion Hardware, self-configured with High Speed Network Interface Cards such as a 10Gbit NIC*.

This Versatile Data Acquisition device also supports the Simultaneous Acquisition of up to 4 Suspect drives to 4 individual Evidence drives. Features advanced SATA-2 Acquisition Technology supporting speeds exceeding 7GB/min for today's High Speed drives, and supporting a maximum speed of 18GB/min for tomorrow's Advanced High Speed drives. The IM4000PRO is also configured with a 1Gbit Ethernet port for Network Connectivity support and offers a Cable-Free, Drive Caddy solution.

The IM4000PRO Forensic Uploader is equipped with Expansion Ready hardware to expand the unit's capabilities. All units support the use of the Optional IM4000PRO Expansion Box. The IM4000PRO Expansion Box adds SCSI and Firewire Drive Interface support including the flexibility to add High Speed 10Gbit Network* interface support using 3rd Party 10Gbit NIC Cards.

* 10Gbit PCIe NIC Cards are not supplied by ICS

FEATURES:

1 High Speed

The Image MASter™ 4000PRO Forensic Uploader is designed to support today's High Performance drives, featuring advanced SATA-2 Duplication Technology that can copy and wipe drives at validated speeds of 13GB/min. This advanced technology also prepares the User with the hardware necessary to take advantage of tomorrow's hard drive speed improvements, with the potential of 18GB/min transfer rates.

2 Network Storage Support

Upload and Download images to and from a shared Network Storage location using the native 1Gigabit Ethernet interface for maximum transfer rates of 2.5GB/min. The optional IM4000PRO Expansion Box can be customized by the End User to add High Speed 10Gbit Network* interface support using 3rd Party 10Gbit NIC Cards* for speeds exceeding 4GB/min.

* Third Party 10Gbit NIC Cards are not supplied by ICS.

3 Multiple Drive Interface Support

Offers native support for SAS, SATA and USB drives. Optional adapters are available to support IDE Drives*, Micro SATA*, e-SATA Drives*, 2.5", 1.8" IDE Notebook Drives*, ZIF drives*, and Flash media*. The optional IM4000PRO Expansion Box adds support for SCSI and Firewire drives. The Expansion Box can be customized by the End User to add USB 3.0 or Fibre Drive support.

* 10Gbit PCIe NIC Cards are not supplied by ICS

* IDE drives are supported with an Optional IDE Drive Caddy or by Individual IDE Adapters.

* CF drives are supported with Optional CF Adapters.

* Micro SATA drive adapters are only supplied with the 2.5" Cable-Free Drive Caddy.

* eSATA drives are supported using SATA-to-eSATA Cables.

4 Compact Size

The unit's Small Footprint design saves work space.

5 Versatile "Source" Drive Ports

Flexible design allows any port to be configured as the "Suspect" port.

6 Cable Free Drive Caddies

The unit offers a Cable-Free, Drive Caddy solution for quick and easy drive insertion, minimizing maintenance costs and wear and tear issues associated with use of cables. The unit is available with either 2.5" or 3.5" Cable-Free Drive Caddies. Both versions support Cable-Free insertion of eight (8) 2.5"/1.8" or 3.5" Form Factor SATA/SAS drives, accordingly.

7 Expandability

Expansion Ready units support the use of the Optional IM4000PRO Expansion Box. The IM4000PRO Expansion Box (purchased separately) adds SCSI, Firewire and ExpressCard Interface support. Allows connection of up to 2 Firewire Drives and up to 3 SCSI drives and supports connecting a broad range of ExpressCard compliant cards, such as ExpressCard USB 3.0 cards used to connect USB 3.0 mass storage devices. The Forensics Investigator can customize the Expansion Box by adding 3rd Party PCIe Cards such 10Gbit NIC Cards to add high speed 10Gbit Network interface support.

8 Multiple Operational Modes

- **Single Capture:** Creates "Mirror" image of the Suspect's drive.
- **LinuxDD Capture:** Supports storing one or multiple Suspect drive images on a single "Evidence" drive using the standard Linux DD Segmented File Format.
- **E01 Capture:** Supports storing one or multiple Suspect drive images on a single "Evidence" drive using the Encase® Forensics Segmented File Format.
- **IQ Copy:** Optional Non-Forensic Format used to capture only the allocated data of a Suspect's drive, greatly reducing the time required to capture data. In addition, it can be used to duplicate drives for IT purposes such as backup, deploy and upgrade to larger capacity drives.
- **Multi-Session:** Capture multiple Suspect drives simultaneously or run multiple operations simultaneously. Multi-Session supports the Acquisition of up to 4 Suspect drives simultaneously. Capture and Sanitize drives at the same time.

NOTE: Activating more than three Capture Sessions simultaneously, with Hash enabled, will result in reduced performance.

- **One-to-One or On-to-Many Capture Mode:** Captures one "Suspect" drive to one or more "Evidence" drives. A maximum of 7 Evidence drives can be used.
- **WipeOut:** Sanitize drives using Single Pass, DoD Standard, or Secure Erase.

9 Multiple Hash Modes

Supports Hardware Accelerated SHA-1 and SHA-2 Hash Methods. Includes support for MD5 and CRC32.

10 USB Duplication

The unit provides five native USB 2.0 ports for USB device acquisition.

11 On-the-Fly Data Encryption

Built-in DiskCypher technology allows the ability to Encrypt a "Suspect" hard drive during capture operations. The IM4000PRO supports the common AES-256 ECB Encryption method.

ICS Digital Forensic Storage Solutions (DFSS): The IM4000PRO supports the use of the Optional ICS DFSS Modules to provide additional Storage capacity.

12 LinkMASster Option

The LinkMASster Option allows the Forensic Investigator to acquire data from unopened computers using the Ethernet interface.

13 Preview Suspect Data

Preview Suspect Drive's data utilizing third party applications or using the unit's built-in O/S utilities. The unit's preview capability allows previewing Word, Excel, PDF, text or multimedia (pictures, video and audio) files prior to seizing data.

14 Logs and Auditing

Store and print detail operational Event Log and Audit Trail information. The Audit Trail is saved in a PDF format using 128-bit password encryption protection.

15 Cell Phone Acquisition Support

The IM4000PRO Forensic Uploader can be used to acquire Cell Phone data utilizing optional 3rd Party Cell Phone Acquisition Software and Hardware solutions. The IM4000PRO Forensic Uploader supports the Micro Systemation XRY and Paraben's Device Seizure Cell Phone Acquisition Solutions.

16 Ease of Use

Offers an intuitive, User Friendly Interface with an 8" Color Touch Screen Display.

TECHNICAL SPECS:

Unit Net Weight: 15lbs (6.8kg).







OVERALL DIMENSIONS:

15.7" x 3.8" x 15.5" (400mm x 100mm x 400mm).

WARRANTY:

One Year Parts and Labor with an optional one year extended warranty.

OPTIONS:

IM4000PRO Forensic Uploader – Open Tray Unit (F.GR-4210-900B)	IM4000PRO Forensic Uploader – 2.5" Unit (F.GR-4208-900B)	IM4000PRO Forensic Uploader – 3.5" Unit (F.GR-4207-900B)
The unit is internally configured with Expansion Ready Hardware and ships with the Open Drive Tray and with 8 SAS cables.	The unit is internally configured with Expansion Ready Hardware and ships with the 2.5" Cable-Free Drive Caddy, including 8 uSATA adapters.	The unit is internally configured with Expansion Ready Hardware and ships with the 3.5" Cable-Free Drive Caddy.
  <p>NOTE: The displayed Expansion Box is <u>not</u> included.</p>	  <p>NOTE: The displayed Expansion Box is <u>not</u> included.</p>	  <p>NOTE: The displayed Expansion Box is <u>not</u> included.</p>

Next Generation ICS Forensic Product Comparison Chart

Features	IMSolo-101 Forensics	IMSolo-4 Forensics	IMSolo-4 Ruggedized	4000PRO Forensics	WipePRO
Capture Configurations					
Max # of Evidence Drives per Operation	1	2	2	7	9
Max 1:1	1	2	2	4	N/A
Max 1:2	1	1	1	3	N/A
Max 1:3	N/A	N/A	N/A	2	N/A
Max # of Parallel Captures	1	2	2	4	N/A
Max # of Drives which can be Captured Sequentially to External Storage	1	4	4	8	N/A
Max # of Drives which can be Captured in Parallel to External Storage	1	4	4	4	N/A
Interfaces Supported					
SAS	N/A	4	4	8	8
SATA	2	4	4	9	9
SCSI	1	3	3	3	3
Requires 3rd Party SCSI-to-USB Adapter		Optional Expansion Module	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module
USB 2.0	4	4	4	5	5
USB 3.0	N/A	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module
e-SATA	2	1	1	Optional Adapter	Optional Adapter
3.5/2.5" IDE	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
Micro SATA	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
ZIF Drives	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
1.8" Drives	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
FireWire	N/A	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module
Fibre	N/A	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module
Flash Devices	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
Maximum Speed Capability	6.2 GB/min	18 GB/min	18 GB/min	18 GB/min	18 GB/min
Average/ Typical Speed					
SATA	5.5 GB/min	6 GB/min	6 GB/min	6 GB/min	6 GB/min
SAS	N/A	7 GB/min	7 GB/min	7 GB/min	7 GB/min
Solid State Drives	6.2GB/min	12 GB/min	12 GB/min	12 GB/min	12 GB/min
USB	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min
1394B	N/A	2.4GB/min	2.4GB/min	2.4GB/min	2.4GB/min
SCSI	N/A	4GB/min	4GB/min	4GB/min	4GB/min
SHA-1/SHA-2 HASH H/W Acceleration	YES	YES	YES	YES	N/A
AES Encryption	YES	YES	YES	YES	N/A
Ethernet Connection	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit
Capture Modes					
LinuxDD - Segmented File Capture	YES	YES	YES	YES	N/A
Mirror Image Capture	YES	YES	YES	YES	N/A
E01 - Segmented File Capture	YES	YES	YES	YES	N/A
IQCopy Allocated File Copy	Optional	Optional	Optional	Optional	N/A
Capture to External Storage					
SAN	YES	YES	YES	YES	N/A
USB	YES	YES	YES	YES	N/A
e-SATA	YES	YES	YES	Optional eSATA Cables	N/A
FireWire	N/A	Optional Expansion Module	Optional Expansion Module	Optional Expansion Module	N/A
ICS Storage Box Option	YES	YES	YES	YES	N/A
Wiping					
DoD	YES	YES	YES	YES	YES
Single Pass	YES	YES	YES	YES	YES
Secure Erase	YES	YES	YES	YES	YES
Portability	Handheld	Handheld	Handheld	Small Footprint	Small Footprint
Design Usage	Single user	Single user	Single user	Mid Size	Large
SAS/SATA Drive Caddy Cable-Free with Built-in Fans (Select between 2.5" or 3.5")	N/A	N/A	N/A	One Standard	One Standard
IDE Drive Caddy Built-in Fans	N/A	N/A	N/A	Optional	Optional
Open Drive Tray	Optional	Optional	Optional	Optional	Optional



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