



**Intelligent
Computer
Solutions**

Make the intelligent choice...

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Hand-Held Duplicators

Image MASter™

Solo-4

**A "Quantum Leap" forward in
Forensic Imaging technology**

This "Next Generation" device from the legendary Image MASter product line brings value, versatility, speed and cutting edge features with a simple "State-of-the-Art" user interface.



**Built-in
3.3v
SAS/SATA
USB**



www.ics-iq.com

www.icsforensic.com

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FEATURES

1 **Extreme Speed Built for Today’s and Tomorrow’s Hard Drive Technology**

Built to work with the fastest hard drives available, Solo-4 captures, authenticates, and sanitizes at full SATA-2 speed (18GB/min top capability). This technology not only allows the unit to take advantage of today’s fastest hard drive speeds but also allows the user to be prepared for tomorrow’s future hard drive speed improvements.

2 **Multiple “Suspect” Side Connections**

- 2 SATA/SAS connections and 1 USB 2.0 connection. Unit features built-in support for imaging of a RAID drive pair (0, 1, JBOD).
- Optional Drive Adapters will allow imaging of IDE drives, 1.8”, 2.5”, ZIF, and proprietary Interface /Laptop drives, and Micro Media Formats including Compact Flash, Memory Sticks, SD, Micro SD, Multi Media card, etc.
- Cross Copy Support allows user to image any “Suspect” Drive interface to any “Evidence” Drive interface.
- All Suspect connections are permanently write-protected at all times to prevent changing Suspect Data (can not be disabled).

3 **Multiple “Evidence” Side Connections**

- 2 SATA/SAS connections and 2 USB 2.0 connections. Optional Drive Adapters will allow imaging to many other drive formats including external RAID devices.

4 **Operational Modes**

- Captures ‘Suspect’ drive to one “Evidence” drive (Single Copy Mode)
- Captures “Suspect” drive to two “Evidence” drives (Multi Copy Mode)
- Captures 2 “Suspect” drives to two “Evidence” drives (Parallel Copy Mode)

- Drive Wiping and Sanitization
- Drive Hashing (MD-5, SHA-1 and SHA-256)
- Captures suspect Data from Network Storage and/or any attached Network Share
- Uploads suspect Images to Network Storage and or any attached Network Share.
- All processes can be done simultaneously

5 **Multiple Imaging Formats**

- 100% Copy: Bit-for-bit copy
- Linux DD: Supports storing single or multiple DD images (industry standard) on a single “Evidence” Hard Drive or USB storage device. User can define the size of the Linux DD segments.
- IQ Copy: Captures actual “data only” greatly reducing the time needed to make a non-forensic copy for back-up or mass duplication purposes.
- Support for E01 available October 2009.

6 **“On the Fly” Drive Image Encryption**

Built-in DiskCypher technology allows the full encryption (AES256) of Forensic Images. The process is done without speed degradation during the acquisition phase.

7 **Windows XP Operating System**

Solo-4 runs on the highly stable and proven Windows XP Operating System.

- Unit can be customizable to many different languages.
- Unit can be customized to individual organization needs upon request.
- Automatic Support to many PC peripherals.

8 **Drive Spanning:**

Solo-4 allows for the imaging from one large “Suspect” drive to multiple smaller “Evidence” drives.

9 Linux DD Image Restore

Restore a previously captured DD image to a 100% copy (fully bootable working copy).

10 Drive Wiping

Supports single pass drive wiping or full Department of Defense (DoD) Sanitization.

11 Intuitive Easy to Use Interface

8" Full Color, User Friendly Touch Screen eliminates the need of external display, mouse or keyboard. The user interface provides three graphical levels and the operational wizard allows user to easily operate the unit. The advantage settings mode can also be selected for low level control.

12 Unalterable "Suspect" Interface Write Protection

ICS recognizes the industry standard and permanently write protects any device connected to the Solo-4 "Suspect" position thereby preventing any unintentional alteration of suspect Data. Data alteration could occur if a device allows the user the option of turning off this protection mode.

13 Multiple Hash Verifications

All "Suspect" and "Evidence" positions allow Multiple Hash Verifications including SHA-1 and SHA-256 during the acquisition process simultaneously and without speed degradation.

14 Captures Suspect Data from Network Storage or Any Attached Networked Share

With the use of Windows XP Operating System Solo-4 allows the capture of Suspect Data from networked drives and folders using a built-in 1 Gigabit Ethernet connection. This process is an actual forensic acquisition and will not alter file and folders access dates and times.

15 Uploads Suspect Images to Network Storage or Any Attached Network Share

With the use of Windows XP Operating System Solo-4 allows the upload of Suspect Data Images to networked storage area using a built-in 1 Gigabit Ethernet connection. This will allow user

to take advantage of large storage repositories (SAN) for the purpose of processing and archiving forensic images.

16 Preview Suspect Data Directly on the Unit

Preview active files on the Suspect Drive utilizing a built-in file viewer that allows previewing Word, Excel, PDF, text or multimedia (pictures, video and audio) files prior to seizing the data. Unit also features a built-in Audio Head Phone Jack for discreet listening.

17 Drive Block Functionality for use with a Forensic WorkStation

Utilizing the "Suspect" "always on" write protection connections Solo-4 can be attached to a Forensic Workstation via USB connection to allow the preview, capture or analysis of Suspect Data in a safe environment.

18 USB Card Reader Support

Supports Micro Media Formats (Compact Flash, Memory Sticks, SD, Micro SD, Multi Media card, etc.) expanding the option of types of "Suspect" Media that can be previewed, analyzed or captured.

19 Data Integrity check

Read back verification of the two "Evidence" drives for extra data integrity checking.

20 Field Upgradable

Free and easy to update firmware and software through USB port.

21 Logs and Auditing

Complete and accurate auditing of all unit processes are provided in text file format that can be exported via USB connection.

22 Affordable

Unparallel performance and built-in features at an affordable price makes Solo-4 the perfect and most complete forensic solution for any investigator today.



PRODUCT SPECIFICATIONS AND ADDITIONAL OPTIONS FOR SOLO-4 FORENSIC

SOFTWARE SUPPORT

- ☒ HPA
- ☒ DCO
- ☒ Bad sector management
- ☒ Multi Images support
- ☒ Multi language support
- ☒ Linux DD
- ☒ FFR format
- ☒ VME
- ☒ UTF
- ☒ IQ Copy
 - ☒ FAT
 - ☒ NTFS
 - ☒ Linux
 - ☒ OSX

OPTIONS

3-SLOT PCI-e Expansion Box* offers the ability to connect up to any combination of 3 of the following optional cards:

- USB GPS receiver.
- SCSI - 1 port Bus Card to support SCSI drives.
- Multimedia Express Card Bus / Memory card reader (12-in-one).
- Solid State Express Card Drive.
- 1394B - 2 port FireWire Express Card to support FireWire drives.
- Wi-Fi Wireless Express Card.

E01(Encase) File Support available October 2009

Drive Tray and Fan

Extended life rechargeable battery

LinkMASter Option to capture data from unopened PCs and Laptops.

* ICS Factory installed Options coming soon!

WARRANTY

One Year Parts and Labor with an optional 2 year extended warranty

ABOUT INTELLIGENT COMPUTER SOLUTIONS, INC.

ICS is a pioneer in disk drive duplication, having first introduced this technology to the world in 1991, in a US patented device. For over seventeen years ICS has been focused on providing cutting-edge solutions to the state, local and federal government Law Enforcement communities and the growing, private digital forensics investigation sector. These tools include the leading digital forensics hardware and software technology used in some of the most complex digital forensics investigations today which include, Handheld Forensic Duplicators, Forensic Portable Stations, Hard Drive Encryption, Hard Drive Sanitization Stations, Write Protectors and more.

OPTIONAL GADGETS

- USB GPS receiver.
- Bluetooth GPS.
- Miniature Keyboard.
- Miniature USB Hub.
- Small Speakers.
- 1.8" Adapter.
- ZIF Adapter.
- Micro SATA Adapter.
- USB (12-in-one) Memory Card Reader.
- USB Wi-Fi Card.

HARD DRIVE SUPPORT

E-SATA drives.

SAS drives all kinds.

SATA drives all kinds.

USB drives all kinds.

IDE drives with included ICS IDE to SATA Adapter.

Micro SATA drives with optional ICS Micro SATA Adapter.

2.5" Drives with included ICS 2.5" Adapter.

1.8" Drives with optional ICS 1.8" Adapter.

ZIF drives with optional ICS ZIF Adapter.

Notebook drives with optional ICS Notebook Adapter.

Solid State Drives all kinds.

SD series /MS series/XD/M2/TF/CFI/CFII.

Drive with 3.3V.

FireWire Drives with Optional Hardware coming soon.



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