

# Image MASter™ Solo-4 IT

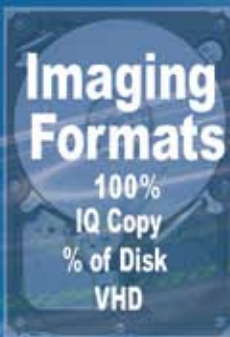
## HIGH SPEED DATA DUPLICATION & SANITIZATION

*Validated Speeds of 13GB/min.*

• PORTABLE • VERSATILE • AFFORDABLE

### FEATURES:

- 1 Extreme Speed
- 2 One Write Protected "Source" Port
- 3 Multiple "Target" Ports
- 4 Hard Drive Support
- 5 Expandability
- 6 Multiple Modes of Operation
- 7 Network Storage Support
- 8 Preview Data
- 9 Hashing and Data Verification
- 10 Field Upgradable
- 11 Logging
- 12 Linux IQ Copy
- 13 On-the-Fly Data Encryption
- 14 Intuitive and Easy to Use Interface
- 15 Affordable



Intelligent  
Computer  
Solutions



*Make the intelligent choice...*

# Image MASter™ Solo-4 IT

A “Quantum Leap” forward in Hard Drive Imaging technology.

The New Image MASter™ “next generation” IT High-Speed Hand-Held Duplicator brings value, versatility, speed and cutting edge features with a simple “state of the art” User Interface.

## Features:

### 1 **Extreme Speed**

The Image MASter™ Solo-4 IT 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 **One Write Protected “Source” Port**

For the protection of the user's original images, the unit provides one standard write protected native SATA/SAS “Source” port and one standard write protected native USB 2.0 “Source” port for the duplication of up to three “Target” drives. IDE adapter included. Optional Adapters allow imaging of 1.8”, ZIF, 2.5” laptop drives, and Flash Media such as Compact Flash, Memory Sticks, SD, Micro SD, Multi Media card, etc.

### 3 **Multiple “Target” Ports**

Provides three native SATA/SAS “Target” ports and three native USB 2.0 “Target” ports to allow the user to make up to three copies of a single drive. One of the “Target” ports can be configured by user as an optional write protected “Source” port to allow the single copying of 2 different “Source” drives simultaneously. Optional Adapters will allow imaging to other drive devices including external RAID units.

### 4 **Hard Drive 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 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.

(\* Optional adapters required)

### 5 **Expandability**

Expandable units support the use of the Optional Expansion Box. The Solo-4 IT Expansion Box (purchased separately) adds SCSI, Firewire and Express Card Interface support. Allows connection of up to 2 Firewire Drives and up to 3 SCSI drives and supports connecting a broad range of Express Card compliant cards, such as Express Card USB 3.0 cards used to connect USB 3.0 mass storage devices. The IT User can customize the Expansion Box by adding 3rd Party PCIe Cards such 10Gbit NIC Cards to add high speed 10Gbit Network interface support.

### 6 **Multiple Modes of Operation**

- IQ Copy: Used to copy only the allocated data of Source drives configured with Windows Based O/S and File Systems, greatly reducing the time required to copy data. IQ Copy supports partition scaling allowing duplication of smaller capacity drives to larger capacity drives.
- Percent Copy: Used to copy a Source drive's allocated data and unallocated data, creating a “mirror” image of the Source drive. O/S and File System independent.
- MultiMASter: Supports storing one or multiple Source drive images on a single “Target” drive using the Segmented File Format. The format copies both allocated and unallocated data.
- VHD Capture: Supports storing one or multiple Source drive images on a single “Target” drive using the VHD File Format. The format copies only allocated data.
- WipeOut: Sanitize drives using the DoD Standard, Secure Erase or User Defined.

### 7 **Network Storage Support**

Upload and Download images to and from a shared Network Storage location using the native 1 Gigabit Ethernet interface. The optional Expansion Box can be customized by the End User to add High Speed 10Gbit Network\* interface support using 3rd Party 10Gbit NIC Cards\*.

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

### 8 **Preview Data**

Preview active files on the “Source” drive utilizing Windows file viewing capabilities in a write protected environment.

### 9 **Hashing and Data Verification**

Provides Read Back Verification and Hashing using MD5 or SHA algorithms for data integrity verification.

### 10 **Field Upgradable**

Easily update Software through the USB port. Free Software Updates are provided.

### 11 **Logging**

Records and saves detailed event log information.

### 12 **Linux IQ Copy**

Provides IQ Copy support for the Linux Extended 2 (EXT2), EXT3 and EXT4 File Systems.

### 13 On-the-Fly Data Encryption

Built-in DiskCypher technology allows the ability to Encrypt a "Source" hard drive during copy operations. The Solo-4 IT supports the common AES-256 ECB Encryption method.

### 14 Intuitive and Easy to Use Interface

User Friendly Interface using a large 8" Color, Touch Screen Display.

### 15 Affordable

Unparalleled performance and features at an affordable price makes Solo-4 IT the perfect and most complete solution for the IT professional.

## Available Models

Solo-4 IT is available in two different models:

### Expandable Unit

The Solo-4 Expandable unit ships with the Expansion Box controller card/port upgrade installed and ready to be used with the Optional Expansion Box.



### Non-Expandable Unit

For customers that won't need the extra functionality of the Expansion Box, Solo-4 IT is available without the controller card/port installed. However if an upgrade is desired at a later time, the unit can be returned and upgraded for an additional charge.



### Expansion Hardware Upgrade

After market upgrade to add the Expansion Box functionality for units initially purchased as Non Expandable units.

## Options

### Super Kit

The Solo-4 IT Super Kit Ships with the Expandable unit, LinkMASter PC and MAC Option and many useful accessories in a hard case. The kit contains:

- Solo-4 Expansion/Storage Ready Stand Alone Unit
- 4 SAS Data Cables and
- Power cables
- 1 IDE to SAS Adapter
- 1 IDE Power Cable
- 1 IDE Data Cable



- 1 2.5" Drive Adapter
- 1 2.5" power Cable
- 1 PS 150 watt
- 1 Power Cord
- 1 Touch Pen
- 1 User Guide
- Mini mouse
- Mini Keyboard
- Mini hub 2.0 4 PORTS
- Mini Speakers with Jack
- Headphones
- WiFi USB 2.0
- eDVD
- LinkMASter Option
- LinkMASter MAC Option
- Expansion Box

### Expansion Box Option



Increase the functionality of the Solo-4 IT unit by connecting the high speed Expansion Box device that allows the connection of additional drive interfaces including FAST SCSI, FIREWIRE A/B and EXPRESS CARD ADAPTER. Additional approved cards like USB 3.0, etc are user installable and are available for purchased through ICS

### LinkMASter Option

With the purchase of the LinkMASter Option, the unit allows users to acquire data from unopened computers and image hard drives through a Network or USB connection.



# Next Generation ICS IT Product Comparison Chart

Features	IMSolo-101 IT	IMSolo-4 IT	4000PRO IT	Rapid Image 7012	Rapid Image 7020	WipePRO
<b>Copy Configurations:</b>						
Max # of Deployed Targets	1	3	8	11	19	9
Max 1:1	1	2	4	6	10	N/A
Max 1:2	N/A	1	3	3	6	N/A
Max 1:3	N/A	1	2	3	5	N/A
Maximum Combination of Copy Operations	1	2	4	6	10	N/A
<b>Interfaces Supported:</b>						
SATA	2	4	8	11	19	8
SAS	N/A	4	8	11	19	8
SCSI	1 Requires 3rd Party SCSI-to-USB Adapter	3 Optional Expansion Module	3 Optional Expansion Module	1 Requires 3rd Party SCSI-to-USB Adapter	1 Requires 3rd Party SCSI-to-USB Adapter	3 Optional Expansion Module
USB 2.0	2	4	5	4	4	5
USB 3.0	N/A	Optional Expansion Module	Optional Expansion Module	N/A	N/A	Optional Expansion Module
e-SATA	2 Optional Adapter	1 Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
3.5"/2.5"IDE	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
Micro SATA	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
ZIF Drives	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
1.8" Drives	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
FireWire	N/A	Optional Expansion Module	Optional Expansion Module	N/A	N/A	Optional Expansion Module
Fibre	N/A	Optional Expansion Module	Optional Expansion Module	N/A	N/A	Optional Expansion Module
Flash Devices	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
<b>Ethernet Connection</b>	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit
<b>Maximum Speed Capability</b>	6.2 GB/min	18 GB/min	18 GB/min	18 GB/min	18 GB/min	18 GB/min
<b>Average Speed</b>						
SATA	5.5 GB/min	6 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	7 GB/min
Solid State Drives	6.2 GB/min	12 GB/min	12 GB/min	12 GB/min	12 GB/min	12 GB/min
USB	1.4GB/min	1.4GB/min	1.4GB/min	N/A	N/A	1.4GB/min
1394B	N/A	2.4GB/min	2.4GB/min	N/A	N/A	2.4GB/min
SCSI	N/A	4GB/min	4GB/min	N/A	N/A	4GB/min
<b>SHA-1/SHA-2 HASH H/W Acceleration</b>	YES	YES	YES	N/A	N/A	N/A
<b>AES Encryption</b>	YES	YES	YES	N/A	N/A	N/A
<b>Copy Modes</b>						
IQ Copy	YES	YES	YES	YES	YES	N/A
Image Copy	YES	YES	YES	YES	YES	N/A
MultiMASter/VHD	YES	YES	YES	YES	YES	N/A
<b>Image to or from External Storage</b>						
SAN	YES	YES	YES	YES	YES	N/A
USB	YES	YES	YES	N/A	N/A	N/A
e-SATA	YES	YES	Optional eSATA Cables	N/A	N/A	N/A
FireWire	N/A	Optional Expansion Module	Optional Expansion Module	YES	YES	N/A
<b>Wiping</b>						
DoD	YES	YES	YES	YES	YES	YES
Single Pass	YES	YES	YES	YES	YES	YES
Secure Erase	YES	YES	YES	YES	YES	YES
<b>Portability</b>	Handheld	Handheld	Small Footprint	Industrial	Industrial	Small Footprint
<b>Design Usage</b>	Single user	Single user	Mid Size	Large	Large/Production	Large
SAS/SATA Drive Caddy Cable Free with Built-in Fans (Select between 2.5" or 3.5")	N/A	N/A	One Standard	One Standard	Two Standard	One Standard
IDE Drive Caddy Built-in Fans	N/A	N/A	Optional	Optional	Optional	Optional
Open Drive Tray	Optional	Optional	Optional	N/A	N/A	Optional
<b>Operating System</b>	Windows Embedded Standard	Windows Embedded Standard	Windows Embedded Standard	Windows Embedded Standard	Windows Embedded Standard	Windows Embedded Standard



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