

Digital FORENSICS Storage Solutions (DFSS)

SAFE & SECURE • RAIDED • EASY TO USE

Works Seamlessly with Solo-4

IMAGE HIGH CAPACITY DRIVES
 IMAGE MULTIPLE DRIVES
 PROTECT VALUABLE DATA
 SHARE EVIDENCE IMAGES



PCIe Data Storage System
 4TB or 8TB
 Interface Expandability

USB 3.0/ eSATA Data Storage System
 8TB
 Cost Effective



SAS/SATA Data Storage System
 12TB
 Unlimited Storage Expandability



CAPTURE

SUSPECT DATA
 High Capacity Drives
 Multiple Drives

SOLO-4
 Image up to
 4 Drives Simultaneously

DFSS RAID
 Store & Protect
 Evidence Data

SHARE

DFSS RAID
 Protected
 Evidence Data

SOLO-4
 1 GB Native Ethernet
 Connection

NETWORK
 Share
 Evidence Data

PROCESS

DFSS RAID
 Protected
 Evidence Data

DIRECT CONNECTION
 eSATA, USB
 PCIe, SAS

FORENSIC PC
 Process
 Evidence Data

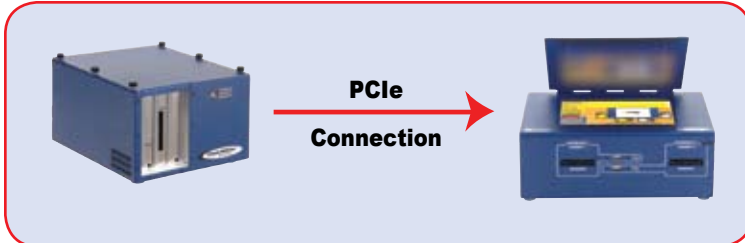


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4TB/8TB PCIe Data Storage Systems

The 4TB/8TB PCIe Data Storage Systems connect seamlessly to the IMSolo-4 Forensic (Expansion Ready) unit via its PCIe port to provide a large volume RAID storage space. The Systems contain either four (4) or eight (8), 1TB, 2.5" shock mounted hard drives that are user configurable as RAID or JBOD. Additionally, the PCIe Data Storage Systems come standard with two empty PCIe slots that can be used to install swappable ICS approved PCIe controller cards such as Fiber Channel, USB 3.0, FireWire, Fast SCSI, etc. The 4TB/8TB PCIe Data Storage Systems are the ideal option for customers who are purchasing or already own an IM Solo-4 Expansion Ready unit.



Features

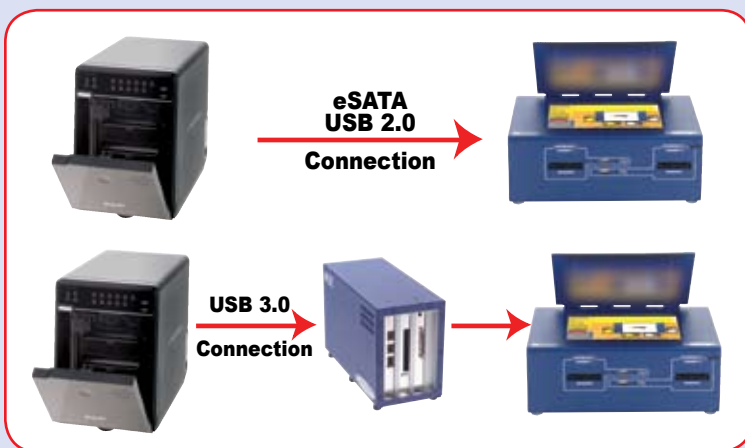
- **Perform Secure Capture:** Utilizing the IM Solo-4 "Port assignment" feature that allows user to assign write-protection to the IMSolo-4 Evidence Ports, digital forensic investigators can securely capture up to four (4) suspect hard drives simultaneously directly into four or eight TB of storage space.

- **Provide Wide Storage Capacity:** Eliminates the concern of having the correct size Evidence drives when performing a forensic acquisition in the field.
- **Work seamlessly with the IM Solo-4:** In the lab, the user can plug the 4TB/8TB PCIe Data Storage SystemS directly to the Forensic Lab servers or to PC Forensic units via the IM Solo-4. This allows the user to easily preview, transfer and access stored data in a secure environment.
- **Work as Stand Alone Units:** Users have the option to connect the 4TB/8TB Data Storage Systems directly to a Forensics Lab Server or Forensics Computer by installing a PCIe Port Controller Card to their forensics Lab Server or Forensics PC (Controller card is supplied standard with this option)
- **Combine Storage and More Connectivity/Interface Options:** The 4TB/8TB Data Storage Systems are supplied with two free PCIe slots for the user to plug in any swappable PCIe controller cards such as Fiber Channel, USB 3.0, FireWire, Fast SCSI copy 1 to 2. Additional PCIe Controller Cards sold separately.
- **Allow Sharing Digital Evidence:** Users can PUSH any data stored in the 4TB/8TB Data Storage Systems to any location on the network via the IM Solo-4 unit's native 1 GB Ethernet connection. This allows Investigators to automatically share digital evidence data with local and remote fellow investigators without the need to purchase any special, expensive storage docking devices to connect to the network. The Shared Folder is configured to be write-protected through the Solo-4 setting.
- **Allow for an easy RAID configuration setting:** The RAID configuration can be easily set in the BIOS of the RAID controller.

8TB USB 3.0/eSATA Data Storage System

The 8TB USB3.0/eSATA Data Storage System connects seamlessly to the IM Solo-4 unit via the standard USB 2.0 or eSATA connections to provide a large volume RAID storage space. Users wanting to take advantage of the USB 3.0 faster speed capability can connect the Data Storage System to the IMSolo-4 Expansion-Ready unit with the Expansion Box and the installed PCIe USB 3.0 Controller Card. The System contains four (4) shock mounted 3.5" hard drive bays that can accommodate up four (4), 2TB*, 3.5" user supplied hard drives. The hard drives are user configurable as RAID or JBOD. The 8TB USB 3.0/eSATA Data Storage System is ideal for customers who are looking for an inexpensive and portable option.

*Unit limited to the maximum use of 2TB drives



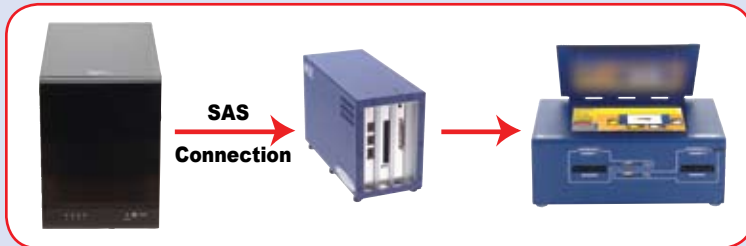
Features

- **Flexibility:** Can be used by customers who own or would like to purchase an IM Solo-4 Non-Expansion Ready unit as well as customers who own or would like to purchase an IM Solo-4 Expansion-Ready unit.

- **Performs Secure Capture:** Utilizing the IM Solo-4 "Port assignment" feature, users can securely capture up to four (4) suspect hard drives simultaneously with the IMSolo-4 Forensic directly into up to eight (8) TB of storage space.
- **Provides Wide Storage Capacity:** Eliminates the concern of having the correct size Evidence drives when performing a forensic acquisition in the field.
- **Works seamlessly with the IM Solo-4:** In the lab, the user can plug the 8TB USB 3.0/eSATA Data Storage System directly to the Forensic Lab servers or to PC Forensic units via the IM Solo-4. This allows the user to easily preview, transfer and access stored data in a secure environment.
- **Works as Stand Alone Unit:** In the lab, the user can plug the USB 3.0/eSATA Data Storage System directly to the Forensic Lab servers or to PC Forensic units through an eSATA, USB 2.0 or USB 3.0 connection.
- **Allows Sharing Digital Evidence:** Users can PUSH any data stored in 8TB USB3.0/eSATA Data Storage System to any location on the network via the IM Solo-4 unit's native 1 GB Ethernet connection. This allows Investigators to automatically share digital evidence data with local and remote fellow investigators without the need to purchase any special, expensive storage docking devices to connect to the network. The Shared Folder is configured to be write-protected through the Solo-4 setting.
- **Allows user to easily set the RAID configuration:** Provides an easy RAID configuration by the Module "one button" RAID front control panel.
- **Provides Power Synchronization:** It provides power off in Synchronization with the IM Solo-4 or users' Forensic station.
- **Highly Portable Convection Design:** The Module aluminum based design offers superior heat dissipation capabilities and a light weight, highly rigidity design ideal for portability.
- **Features a Smart Fan Technology:** The Module's auto/manual modes allow the user to set 3 levels of speed for best convection process.
- **Features Automatic Drive Detection:** All 4 Hard Drives are recognized automatically upon installation.

12TB SAS/SATA Data Storage System

The 12TB SAS/SATA Data Storage System connects seamlessly to the IMSolo-4 (Expansion-Ready) unit with the Expansion Box and the included PCIe SAS Extender Controller Card to provide a large volume RAID storage space. The System contains four (4), 3.5", SAS/SATA hard drive bays that can accommodate up four (4), 3TB, 3.5" user supplied hard drives. The hard drives are user configurable as RAID or JBOD. The 12TB SAS/SATA Data Storage System is ideal for customers who own a Solo-4 (Expansion-Ready) unit and are looking for unlimited storage expandability by combining multiple systems together.



Features

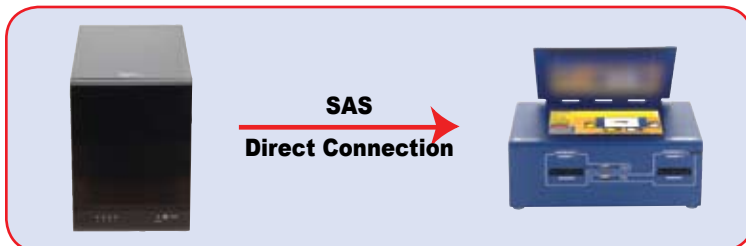
- **Performs Secure Capture:** Utilizing the IM Solo-4 "Port assignment" feature, users can securely capture up to four (4) suspect hard drives simultaneously directly into the twelve (12) TB SAS/SATA DFSS Data Storage System.
- **Provides Wide Storage Capacity:** User can choose storage capacity according to the Forensic Lab's needs. This option is ideal for Forensic investigators who need to keep the digital evidence data in a safe and independent stored manner.
- **Works seamlessly with the IM Solo-4:** In the lab, the user can plug the 12 TB Data SAS/SATA Storage System directly to the Forensic Lab servers or to PC Forensic units via the IM

Solo-4 unit with the Expansion Box (not included) and the PCIe SAS Extender Controller Card (included). This allows the user to easily preview, transfer and access stored data in a secure environment.

- **Works as Stand Alone Unit:** In the lab, the user can plug the 12TB SAS/SATA Data Storage System directly to the Forensic Lab servers or to Forensic PC units by installing the PCIe SAS Extender Controller PCIe card to the Forensic Work Station (not included) or through IMSolo-4 and Expansion Box with the PCIe Extender SAS/SATA Controller Card.
- **Provides Optional Storage Expandability:** This option provides a flexible storage expandability by allowing the forensic investigator to utilize the IM Solo-4, Expansion Box with PCIe Extender SAS/SATA Controller Card and any size (12 TB, 16TB, 24TB, etc.) reliable, inexpensive third party SAS enclosure bays and choose the storage space according to the Forensic Lab's needs. These third party SAS Enclosure Bays can also be connected directly to the Forensic Lab servers or to Forensic PC units by installing a PCIe SAS Extender Controller PCIe card (included) to the Forensic Work Station or through the IMSolo-4 alone and the Expansion Box with PCIe Extender SAS/SATA Controller Card.
- **Allows Sharing Digital Evidence:** Users can PUSH any data stored in the 12TB SAS/SATA Data Storage System or any third party SAS/SATA Enclosure Bays to any location on the network via the IM Solo-4 unit's native 1 GB Ethernet connection. This allows Investigators to automatically share digital evidence data with local and remote fellow investigators without the need to purchase any special, expensive storage docking devices to connect to the network. The Shared Folder is configured to be write-protected through the Solo-4 setting.
- **Allows for an easy RAID configuration setting:** The RAID configuration can be easily set in the BIOS of the RAID controller during the IMSolo-4 unit boot time. A Windows based RAID configuration tool is also supplied.

IMSolo-4 +12TB SAS/SATA Data Storage System

This combination IM Solo-4 (SAS Extender RAID and Expansion-Ready) unit and a 12TB SAS/SATA Data Storage System is a forensic acquisition and digital data storage solution ideal for the Forensic Lab because of its' unlimited storage expandability. The 12TB SAS/SATA Data Storage System connects seamlessly to the IMSolo-4 via the unit's installed SAS Extender RAID Controller Card. The System contains four (4), 3.5", SAS/SATA hard drive bays that can accommodate up four (4), 3TB, 3.5" user supplied hard drives. The hard drives are user configurable as RAID or JBOD. The IM Solo-4 + 12TB SAS/SATA Data Storage System combination is ideal for new users who are looking for unlimited storage expandability by combining multiple systems together.



Features

- **Performs Secure Capture:** Utilizing the IM Solo-4 "Port assignment" feature, users can securely capture up to four (4) suspect hard drives simultaneously directly into the twelve (12) TB SAS/SATA Data Storage System.
- **Provides Wide Storage Capacity:** User can connect the IMSolo-4, a Forensic Lab PC/Server and one or more third party SAS Enclosure Bays to allow Forensic investigators to choose

the digital evidence data storage needed and/or keep this data in a safe and independent stored manner.

- **Works seamlessly with the IM Solo-4:** In the lab, the user can plug the SAS/SATA Data Storage System directly to the Forensic Lab servers or to PC Forensic units via the IM Solo-4 1 GB Ethernet Connection. This allows the user to easily preview, transfer and access stored data in a secure environment.
- **Works as Stand Alone Unit:** In the lab, the user can plug the SAS/SATA DFSS Data Storage System or any of the SAS Enclosure Bays directly to the Forensic Lab servers or to PC Forensic units through a SAS/SATA connection. (Connection requires the installation of the PCIe SAS Extender Controller Card into the Forensic Computer – not included)
- **Provides Optional Storage Expandability:** This option provides flexible storage expandability by allowing the forensic investigator to utilize the IM Solo-4 and any size (12 TB, 16TB, 24TB, etc.) reliable, inexpensive third party SAS enclosure bays and choose the storage space according to the Forensic Lab's needs. These third party SAS Enclosure Bays can also be connected directly to the Forensic Lab servers or to Forensic PC units by installing a PCIe SAS Extender Controller card (not included) to the Forensic Work Station.
- **Allows Sharing Digital Evidence:** Users can PUSH any data stored in the SAS/SATA DFSS Data Storage System or any third party SAS/SATA Enclosure Bays to any location on the network via the IM Solo-4 unit's native 1 GB Ethernet connection. This allows Investigators to automatically share digital evidence data with local and remote fellow investigators without the need to purchase any special, expensive storage docking devices to connect to the network. The Shared Folder is configured to be write-protected through the Solo-4 setting.
- **Allows for an easy RAID configuration setting:** The RAID configuration can be set in the BIOS of the RAID controller during the IMSolo-4 unit boot time. A Windows based RAID configuration tool is also supplied.

DIGITAL FORENSIC STORAGE SOLUTION (DFSS) COMPARISON CHART

ORDER BY NUMBER	(DFSS) 1	(DFSS) 2	(DFSS) 3	(DFSS) 4	(DFSS) 5
Digital Forensic Storage Solution (DFSS)	4TB PCIe Data Storage System	8TB PCIe Data Storage System	8TB USB 3.0/eSATA Data Storage System	12TB SAS/SATA Data Storage System	IMSolo-4 + 12TB SAS/SATA Data Storage System
Part Number	F.GR-0038950A	F.GR-0038-990A	F.GR-0050-000A	F.GR-0048-000A	F.GR-0049-000A
Ideal for	Customers who already have a Solo-4 Expansion Ready Unit	Customers who already have a Solo-4 Expansion Ready Unit	Customers who already have a Solo-4 with OR without Expansion Box	Customers who already have a Solo-4 AND an Expansion Box	New Customers
Benefit	Storage plus two Available PCIe Expansion Slots	Storage plus two Available PCIe Expansion Slots	Inexpensive and Convenient Storage Solution	Storage Space Expandability	No need of Expansion Box Storage Space Expandability
Current Maximum Storage					
Four - 2.5" 1TB SATA Drives	4TB				
Eight - 2.5" 1TB SATA Drives		8TB			
Four - 3.5" 2 TB SATA/SAS Drives			8TB		
Four - 3.5" 3 TB SATA/SAS Drives				12TB+	12TB+
Optional Storage Space Expandability	n/a	n/a	n/a	16TB, 24TB and more	16TB, 24TB and more
Hard Drives included	Yes	Yes	No	No	No
RAID Configuration	RAID 0 RAID 1 RAID 1+0 RAID 5 JBOD Configured thru IM Solo-4	RAID 0 RAID 1 RAID 1+0 RAID 5 JBOD Configured thru IM Solo-4	RAID 0 RAID 1 RAID 1+0 RAID 5 JBOD Configured thru Mini Tower Built-in RAID Controller	RAID 0 RAID 1 RAID 1+0 RAID 5 JBOD Configured thru IM Solo-4	RAID 0 RAID 1 RAID 1+0 RAID 5 JBOD Configured thru IM Solo-4
Network Data Sharing	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection
Connectivity					
Native Connectivity to the IM Solo-4 This is how the storage unit natively connects to the Solo-4 Unit	PCIe Proprietary Cable (included)	PCIe Proprietary Cable (included)	USB 2.0 Cable (included) or eSATA Cable (included)	SAS Standard Cable (included) *This storage unit requires the Solo-4 Expansion Box (not included) with PCIe SAS Extender RAID Controller Card (included)	SAS Standard Cable (included) Connects directly to the installed Solo-4 PCIe SAS Extender RAID Controller Card
Optional Connectivity to the IM Solo-4 This is how the storage unit can also be connected to the Solo-4 Unit	n/a	n/a	USB 3.0 (With Additional Expansion Box)	n/a	n/a
Native Connectivity to Forensic Computer This is how the storage unit natively connects to the Forensics Computer	Installable PCIe Controller Card (included)	Installable PCIe Controller Card (included)	USB 2.0/3.0 Cable (included) or eSATA Cable (included)	Installable PCIe SAS Extender RAID Controller Card (not included)	Installable PCIe SAS Extender RAID Controller Card (Not included)
Optional Connectivity to Forensic Computer This is how the storage unit can also be connected to the Forensics Computer	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection	Thru IM Solo-4 native 1 GB Ethernet connection
Power					
Power to Storage Unit	Thru IM Solo-4	Thru External ICS Power Adapter(included)	Thru External Power Supply (included)	Thru External Power Supply (included)	Thru External Power Supply (included)