

Road MASter™ - 3 X 2

FORENSICS

POWERFUL PORTABLE FORENSIC EVIDENCE SEIZURE, PREVIEW AND ANALYSIS SYSTEM

FEATURES:

1. High-end Processing Power
2. Multiple Drive Interface Support
3. Multiple Built-In ports
4. Rugged Design
5. Programmable "Suspect" Drive Ports
6. Multi-Session Capability
7. Multiple Operational Modes
8. Multiple Hash Verifications
9. External Storage
10. Upload and Download Images to Storage Area Network
11. "On the fly" Drive Image Encryption
12. ICS Digital Forensic Storage Solutions (DFSS)
13. Color Display
14. Modular Design
15. Ease of Use
16. Suspect Data Preview
17. Network Storage Support
18. EMI Shielding
19. Built-in Cooling Fans
20. Powerful Analysis Tool Support
21. Logs and Auditing
22. Cell Phone Acquisition Support
23. Convenient and Easy Upgrades



Intelligent
Computer
Solutions

RoadMASter-3
X2

Make the intelligent choice...

www.ics-iq.com

RoadMASter-3 X2

Powerful Portable Forensic Evidence Seizure, Preview and Analysis System

Built as one of the most advanced Computer Forensic Tools in the market, the RoadMASter-3 X2 is a Forensic Portable Lab designed as a High-Speed Forensic Data Acquisition and Analysis Workstation. The RoadMASter-3 X2 is ruggedized, built for the road and equipped with all the necessary tools to seize data from drives with today's common drive interface technologies. With twice the CPU processing power as its predecessor, the RoadMASter-3 X2 offers the Forensic Investigator a powerful and versatile platform for Forensic Data Seizure and Analysis...

The RoadMASter-3 X2 features native support for SAS, SATA, SCSI, USB 2.0 and USB 3.0 drives as well as other common drive interfaces through the use of optional adapters. Featuring advanced SATA-3 Acquisition Technology, the unit supports speeds exceeding 7GB/min for today's High Speed drives, and offers a maximum potential of 32GB/min supporting tomorrow's Advanced High Speed drives.

RoadMASter-3 X2 is configured with a 1Gbit Ethernet port for Network Connectivity support. Data from Suspect Drives can be uploaded during Acquisition for Archiving, Sharing or future Analysis. In addition, the RoadMASter-3 X2 supports SHA-1, SHA-2 and MD5 Hashing algorithms and features built-in NIST approved AES-256 Hard Drive Encryption support to secure Evidence data for the purpose of transporting or storing drives containing sensitive information.

Main Features:

- 1. High-end Processing Power:** The RoadMASter-3 X2 unit comes standard with a powerful i7 CPU and is designed to support today and tomorrow's High Performance drives, using Built-In 6Gb/s SAS Controller Technology. The unit support advanced Duplication Technology that can perform multiple operations simultaneously, copy and wipe drives exceeding 7GB/min with a maximum transfer rate potential of 32GB/min.
- 2. Multiple Drive Interface Support:** Offers native support for SAS, SATA, SCSI USB 2.0 and USB 3.0 drives, including Firewire 1394b drives. Optional adapters are available to support IDE Drives*, Micro SATA*, Mini-SATA, e-SATA Drives*, 2.5", 1.8" IDE Notebook Drives*, ZIF drives*, and Flash media*.
- 3. Multiple Built-In ports:**
 - Four SAS/SATA ports dedicated for Evidence and Suspect drives
 - One eSATA port.
 - Four General Purpose USB 2.0
 - Two USB 3.0 ports dedicated for Evidence and Suspect drives.
 - Two SCSI Ultra 320 68P ports dedicated for Evidence and Suspect drives.
 - Two Firewire 1394B ports dedicated Evidence and Suspect drives.
 - 1 Gigabit Ethernet port.
 - One HDMI Video Output port.
 - One Audio Output port for external speakers or headphones.
 - Four drive power connectors for Evidence and Suspect drives
 - One Display power connector.
 - One dedicated USB keyboard port
 - One dedicated USB Touchpad port
- 4. Rugged Design:** The RM-3 X2 unit comes in a portable, shock absorbent Storm case, offering a tough, and air and water tight design. At only 37 pounds, the unit is very portable and can be accepted as "carry-on" for transport.
- 5. Programmable "Suspect" Drive Ports:** The Flexible design allows any Evidence port to be configured as the "Suspect" port.
- 6. Multi-Session Capability:** Capture multiple Suspect drives simultaneously or run multiple operations simultaneously. Multi-Session supports the high-speed duplication of up to 4 Suspect drives simultaneously. Capture SATA/SAS-to- SATA/SAS, USB-to-USB, SCSI-to-SCSI. Copy and Sanitize drives at the same time.
- 7. 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. LinuxDD/E01 Restore: Restore previously captured LinuxDD or E01 images to original bootable drive formats. - WipeOut: Sanitize drives using Single Pass, DoD Standard, or Secure Erase. The unit has the ability to copy and wipe Hidden HPA or DCO areas which may exist on hard drives

* Offered as an add-on purchase

8. **Multiple Hash Verifications:** The RoadMASter-3 X2 supports SHA-1, SHA-2 and MD5 Hash Algorithms.
9. **External Storage:** Images can be stored externally to a Shared Network folder or an ICS DFSS External Storage Module such as the 12 TB USB 3.0/e-SATA Storage Module.
10. **Upload and Download Images to Storage Area Network:** Images files can be uploaded and downloaded to a Network Storage Area allowing the user to take advantage of large storage platforms for the purpose of processing and archiving images. With the use of the Optional 10 Gigabit Ethernet connection, units can copy and upload at speeds exceeding 4GB/min.
11. **"On the fly" Drive Image Encryption*:** Utilizing the built-in AES-256 Encryption Technology, the RoadMASter-3 X2 can encrypt data during the Capture Process for the purpose of safe guarding sensitive information. An AES 256 encryption key is generated by the unit and can be saved to any USB Thumb drive. The Encrypted drive can be decrypted on-the-fly utilizing the RoadMASter-3 X2 or any PC loaded with the free ICS Decryption utility, along with the drive's AES 256 Encryption Key. * This process is NOT compatible with the DiskCypher product line
12. **ICS Digital Forensic Storage Solutions (DFSS):** The RoadMASter-3 X2 supports the use of the Optional ICS DFSS Modules to provide up to 12TB of additional Storage capacity.

13. **Color Display:** Bright 15" Color LCD. Sunlight readable.
14. **Modular Design:** Provides ease of maintenance. Detachable Keyboard and mouse. Easy to remove internal drive.
15. **Ease of Use:** Offers an Intuitive, User Friendly Interface.
16. **Suspect Data Preview:** Preview Suspect Drive's files prior to seizing data, by utilizing the unit's O/S Explorer functions or utilizing third party applications. -
17. **Network Storage Support:** Upload and Download images to and from a shared Network Storage location using the native 1Gigabit Ethernet Interface.
18. **EMI Shielding:** Aluminum enclosure used for EMI shielding and protection.
19. **Built-in Cooling Fans:** Built with quiet, high speed drive cooling fans.
20. **Powerful Analysis Tool Support:** Analyze write-protected data under the Windows® 7 environment using 3rd Party Forensic Analysis Applications such as Encase® from Guidance Software and FTK® from Access Data.
21. **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.
22. **Cell Phone Acquisition Support:** The RoadMASter-3 X2 can be used to acquire Cell Phone data utilizing optional 3rd Party Cell Phone Acquisition Software and Hardware solutions. The units support the Micro Systemation XRY and Paraben's Device Seizure Cell Phone Acquisition Solutions.
23. **Convenient and Easy Upgrades:** Easily updates Software through the USB port. Free software updates are provided periodically.

Options

IQCopy Capture: Optional Non-Forensic Intelligent Copy format can be used to capture only the allocated data of a Suspect drive greatly reducing the time required to capture data. In addition, it can be used to duplicate drives for IT purposes such as back up, deploy and upgrade to larger capacity drives.

LinkMASter Option: The LinkMASter Option allows the Forensic Investigator to acquire data from unopened computers using the Ethernet and USB Interface.



System Specs

- Dimensions: 21.7" x14.1" x 8.9"
- Weight: 37 lbs
- i7 CPU
- 4GB DDR RAM (Upgradable to 8GB)
- 320GB 2.5" SATA internal hard drive
- 15" TFT Color LCD display super bright with 600 NITS
- Slim DVD-RW
- 400 Watt Internal Power Supply
- Stereo Speakers
- Warranty:
- One year Parts and Labor with an optional one year extended warranty.

NEXT GENERATION ICS FORENSIC PRODUCT COMPARISON CHART

FEATURES	IMSolo 101 Forensics	IMSolo 102 Forensics	IMSolo-4 Forensics	IMSolo-4 Ruggedized	4000PRO X2 Forensic Uploader + 8 Port Add-on Module	Rapid Image 7020 Forensics	Rapid Image 7012 Forensics	WipePRO X2 + 8 Port Add-on Module
Capture Configurations:								
Max # of Evidence Drives per Operation	1	2	2	2	16	19	11	16
Max 1:1	1	1	2	2	8	10	6	N/A
Max 1:2	N/A	1	1	1	6	6	3	N/A
Max 1:3	N/A	N/A	N/A	N/A	4	5	3	N/A
Max # of Parallel Captures	1	2	2	2	8	10	6	N/A
Max # of Drives which can be Captured Sequentially to External Storage	1	1	4	4	16	19	12	N/A
Interfaces Supported:								
SAS	N/A	N/A	4	4	8	20	12	8
SATA	2	3	4	4	9	20	12	9
SCSI	Requires 3rd Party SCSI-to-USB Adapter	Requires 3rd Party SCSI-to-USB Adapter	Optional Expansion Box	Optional Expansion Box	Optional 3rd Party Internal PCIe Controller Card	Optional 3rd Party Internal PCIe Controller Card	Optional 3rd Party Internal PCIe Controller Card	Optional 3rd Party Internal PCIe Controller Card
USB 2.0	2	4	4	4	7	4	4	7
USB 3.0	N/A	2	Optional Expansion Box	Optional Expansion Box	2	4	4	2
e-SATA	2	3	1	1	3	1	1	3
3.5/2.5" IDE	Optional Adapter	Optional Adapter	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	Optional Adapter	Optional Adapter
ZIF Drives	Optional Adapter	Optional Adapter	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	Optional Adapter	Optional Adapter
FIREWIRE	N/A	N/A	Optional Expansion Box	Optional Expansion Box	Optional 3rd Party Internal PCIe Controller Card	One Onboard 1394a, Optional 1394b Internal PCIe	One Onboard 1394a, Optional 1394b Internal PCIe	Optional 3rd Party Internal PCIe Controller Card
FIBRE	N/A	N/A	Optional Expansion Box	Optional Expansion Box	Optional 3rd Party Internal PCIe Controller Card	Optional 3rd Party Internal PCIe Controller Card	Optional 3rd Party Internal PCIe Controller Card	Optional 3rd Party Internal PCIe Controller Card
FLASH DEVICES	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter	Optional Adapter
Maximum Speed Capability:	6.2 GB/min	7.2 GB/min	18 GB/min	18 GB/min	32 GB/min	32 GB/min	32 GB/min	32 GB/min
Average/ Typical Speed:								
SATA	5.5 GB/min	7 GB/min	6 GB/min	6 GB/min	6 GB/min	6 GB/min	6 GB/min	6 GB/min
SAS	N/A	N/A	7 GB/min	7 GB/min	7 GB/min	7 GB/min	7 GB/min	7 GB/min
SOLID STATE DRIVES	6 GB/min	7 GB/min	12 GB/min	12 GB/min	12 GB/min	12 GB/min	12 GB/min	12 GB/min
USB 2.0	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min	1.4GB/min
USB 3.0	N/A	4.7GB/min	N/A	N/A	5.5GB/min	5.5GB/min	5.5GB/min	5.5GB/min
1394B	N/A	N/A	4.5GB/min	4.5GB/min	4.5GB/min	4.5GB/min	4.5GB/min	4.5GB/min
SCSI	N/A	N/A	5.5GB/min	5.5GB/min	5.5GB/min	5.5GB/min	5.5GB/min	5.5GB/min
SHA-1/SHA-2 HASH H/W Acceleration:	YES	YES	YES	YES	YES	YES	YES	N/A
AES Encryption:	YES	YES	YES	YES	YES	YES	YES	N/A
Ethernet Connection:	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit	Gigabit
Capture Modes:								
LinuxDD - Segmented File Capture	YES	YES	YES	YES	YES	YES	YES	N/A
Mirror Image Capture	YES	YES	YES	YES	YES	YES	YES	N/A
E01 - Segmented File Capture	YES	YES	YES	YES	YES	YES	YES	N/A
IQCopy Allocated File Copy	Optional	Optional	Optional	Optional	Optional	Optional	Optional	N/A
Capture to External Storage:								
SAN	YES	YES	YES	YES	YES	YES	YES	N/A
USB	YES	YES	YES	YES	YES	YES	YES	N/A
e-SATA	YES	YES	YES	YES	YES	YES	YES	N/A
FireWire	N/A	N/A	Optional Expansion Box	Optional Expansion Box	Optional Internal PCIe Controller Card	Optional Internal PCIe Controller Card	Optional Internal PCIe Controller Card	N/A
ICS Storage Box Option:	YES	YES	YES	YES	YES	YES	YES	YES
Wiping:								
DoD	YES	YES	YES	YES	YES	YES	YES	YES
Single Pass	YES	YES	YES	YES	YES	YES	YES	YES
Secure Erase	YES	YES	YES	YES	YES	YES	YES	YES
Portability:	Handheld	Handheld	Handheld	Handheld	Small Footprint	Industrial	Industrial	Small Footprint
Design Usage:	Single user	Single user	Single user	Single user	Mid Size	Large/Production	Large/Production	Mid Size
SAS/SATA Drive Caddy Cable-Free with Built-in Fans (Select between 2.5" or 3.5")	N/A	N/A	N/A	N/A	One Standard	One Standard	One Standard	One Standard
IDE Drive Caddy: Built-in Fans	N/A	N/A	N/A	N/A	Optional	Optional	Optional	Optional
Open Drive Tray:	N/A	N/A	Optional	Optional	Optional	N/A	N/A	Optional
Operating System:	Windows 7 Embedded Standard	Windows 7 Special Edition	Windows 7 Embedded Standard	Windows 7 Embedded Standard	Windows 7 Embedded Standard	Windows 7 Embedded Standard	Windows 7 Embedded Standard	Windows 7 Embedded Standard



**Intelligent
Computer
Solutions**

10030 Remmet Ave. • Chatsworth, CA 91311
P. (888) 994-4678 F. (818) 998-3190
www.ICS-IQ.com

Call 888-994-4678 or email salesmail@ics-iq.com for a quote today!