



**Intelligent  
Computer  
Solutions**

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**FEATURES:**

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- 2 Compact size
- 3 Versatile "Source" Drive Ports
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## **Image MASter™ 4000 PRO**

**Format and Duplicate 8 Hard Drives  
every two minutes!**

*From the IM 4000 family, The Image MASter™  
4000 PRO is the next generation, fast and reliable,  
IT Duplicator designed to fit the unique needs of the  
mid-size IT organization*



**Image MASter™**  
*0000* **4000 PRO**

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# Image MASter™ 4000 PRO

**Format and Duplicate 8 Hard Drives every two minutes!**

From the IM 4000 family, The Image MASter™ 4000 PRO is the next generation, fast and reliable, IT Duplicator designed to fit the unique needs of the mid-size IT organization.

## FEATURES:

### 1 **Extreme Speed**

The Image MASter™ 4000 PRO is designed to support today's High Performance drives. Features advanced Duplication Technology that can copy, authenticate, and wipe drives at SATA-2 speed. This technology not only allows the unit to take advantage of today's High Performance drives but also allows the user to be prepared for tomorrow's hard drive speed improvements, with potential 18GB/minute transfer rates.

### 2 **Compact size**

The unit's Small Footprint design saves work space.

### 3 **Versatile "Source" Drive Ports**

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

### 4 **Standard Drive Caddies**

The unit is available with either a 2.5"/1.8" or a 3.5" House and Drive Caddies. Both unit versions support cable-free insertion of eight (8) 2.5"/1.8" or 3.5" Form Factor SATA/SAS drives accordingly.

### 5 **Multiple Interface Ports**

In addition to the native SATA/SAS ports, the unit is also designed with five USB 2.0 ports, one e-SATA port and one Gigabit Ethernet connection that allow duplication of USB devices and storing image files externally. One FireWire connection and one FAST SCSI connection are available with the purchase of the Optional Expansion box.

### 6 **Modes of Operation**

- Single Copy Mode: Make up to 8 copies of a single master drive or image file.
- Multiple Copy Modes: The unit allows performing multiple imaging jobs simultaneously.
- Multiple Operational Modes: Copy, Hash and Sanitize drives (SAS/SATA, IDE, USB, etc.) simultaneously.
- Hashing and Data verification: The unit supports

CRC32, MD5, SHA-1 and SHA-2 algorithms for data verification for mirror image modes of operation.

- Wiping/Sanitizing: Sanitize drives using multiple pass DoD standard or using single pass mode of operation.
- Secure Erase: Erase data using the Secure Erase feature supported by many of today's modern drives.

### 7 **Multiple Imaging Formats**

The unit provides multiple Duplication Formats:

- IQCopy: which copies only allocated data, greatly reducing copy time. Automatically scales and formats partitions.
- "Percent of Disk": copies all sectors including unused sectors and is independent of many Operating System or File System in use.
- Drive Images: allows storing of multiple source images on a single hard drive or Shared Network folder using "Segmented" File formats or using the Microsoft Virtual Hard Drive (VHD) image format.

### 8 **External Storage**

Images can be stored externally using Shared Network folder, e-SATA drives or USB drives.

### 9 **Support for USB Duplication**

The unit supports duplicating up to 5 USB devices.

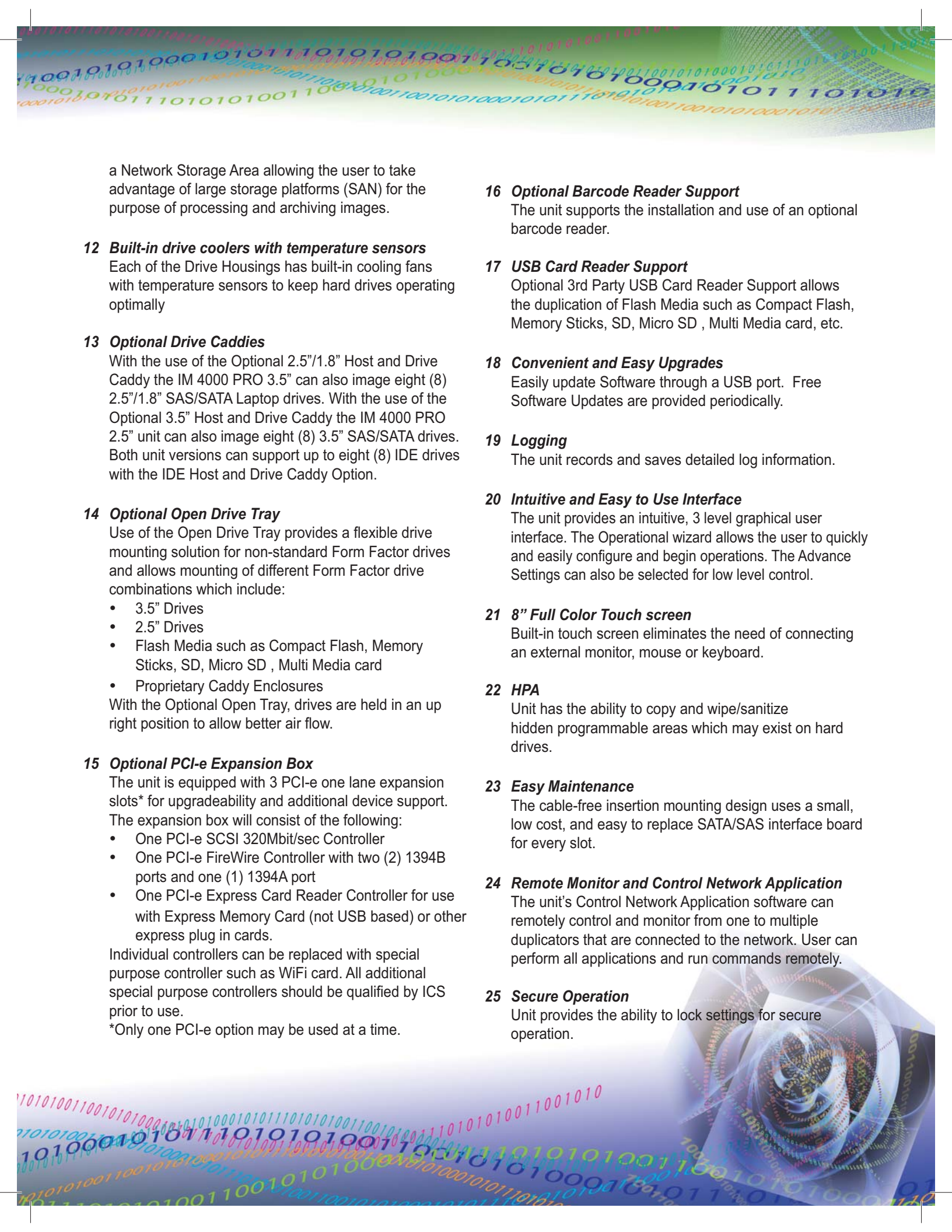
### 10 **Windows Embedded Standard 2009 Operating System (Based on Windows XP)**

The Image MASter™ 4000 PRO runs on the Windows XP Based Operating System, providing flexibility and device compatibility support.

- Unit can be customized for Multi-Language support.
- Unit can be customized to individual's needs upon request.
- Compatible with a wide range of PC peripherals.

### 11 **Upload and Download Images to Network Storage Area**

Images files can be uploaded and downloaded to



a Network Storage Area allowing the user to take advantage of large storage platforms (SAN) for the purpose of processing and archiving images.

#### **12 Built-in drive coolers with temperature sensors**

Each of the Drive Housings has built-in cooling fans with temperature sensors to keep hard drives operating optimally

#### **13 Optional Drive Caddies**

With the use of the Optional 2.5"/1.8" Host and Drive Caddy the IM 4000 PRO 3.5" can also image eight (8) 2.5"/1.8" SAS/SATA Laptop drives. With the use of the Optional 3.5" Host and Drive Caddy the IM 4000 PRO 2.5" unit can also image eight (8) 3.5" SAS/SATA drives. Both unit versions can support up to eight (8) IDE drives with the IDE Host and Drive Caddy Option.

#### **14 Optional Open Drive Tray**

Use of the Open Drive Tray provides a flexible drive mounting solution for non-standard Form Factor drives and allows mounting of different Form Factor drive combinations which include:

- 3.5" Drives
- 2.5" Drives
- Flash Media such as Compact Flash, Memory Sticks, SD, Micro SD , Multi Media card
- Proprietary Caddy Enclosures

With the Optional Open Tray, drives are held in an up right position to allow better air flow.

#### **15 Optional PCI-e Expansion Box**

The unit is equipped with 3 PCI-e one lane expansion slots\* for upgradeability and additional device support. The expansion box will consist of the following:

- One PCI-e SCSI 320Mbit/sec Controller
- One PCI-e FireWire Controller with two (2) 1394B ports and one (1) 1394A port
- One PCI-e Express Card Reader Controller for use with Express Memory Card (not USB based) or other express plug in cards.

Individual controllers can be replaced with special purpose controller such as WiFi card. All additional special purpose controllers should be qualified by ICS prior to use.

\*Only one PCI-e option may be used at a time.

#### **16 Optional Barcode Reader Support**

The unit supports the installation and use of an optional barcode reader.

#### **17 USB Card Reader Support**

Optional 3rd Party USB Card Reader Support allows the duplication of Flash Media such as Compact Flash, Memory Sticks, SD, Micro SD , Multi Media card, etc.

#### **18 Convenient and Easy Upgrades**

Easily update Software through a USB port. Free Software Updates are provided periodically.

#### **19 Logging**

The unit records and saves detailed log information.

#### **20 Intuitive and Easy to Use Interface**

The unit provides an intuitive, 3 level graphical user interface. The Operational wizard allows the user to quickly and easily configure and begin operations. The Advance Settings can also be selected for low level control.

#### **21 8" Full Color Touch screen**

Built-in touch screen eliminates the need of connecting an external monitor, mouse or keyboard.

#### **22 HPA**

Unit has the ability to copy and wipe/sanitize hidden programmable areas which may exist on hard drives.

#### **23 Easy Maintenance**


The cable-free insertion mounting design uses a small, low cost, and easy to replace SATA/SAS interface board for every slot.

#### **24 Remote Monitor and Control Network Application**

The unit's Control Network Application software can remotely control and monitor from one to multiple duplicators that are connected to the network. User can perform all applications and run commands remotely.

#### **25 Secure Operation**

Unit provides the ability to lock settings for secure operation.



# PRODUCT SPECIFICATIONS AND ADDITIONAL OPTIONS FOR Image MASter™ 4000 PRO

## SOFTWARE SUPPORT

- IQ Copy
- FAT
- NTFS
- Linux (Option)
- UDF (Option)
- Image Copy
- VHD
- HPA
- DCO (Pending Development)
- Bad Sector Handling
- Multi-Image Support
- Multi-language Support

## HARD DRIVE SUPPORT

(ADDITIONAL ADAPTERS MAY BE REQUIRED\*)

- e-SATA Drives\*
- SAS Drives
- SATA Drives
- USB Portable and Thumb Drive Devices.
- IDE Drives\*
- Micro SATA\*
- 2.5", 1.8" Notebook Drives\*
- ZIF drives\*
- Solid State Drives
- SD series /MS series/XD/M2/TF/CFI/CFII.
- Supports 3.3V Devices

## 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 nineteen years ICS has focused on providing cutting-edge solutions to the Computer Hardware Manufacturers, large IT Organizations, and small IT Departments around the world. ICS also supports state, local and federal government Law Enforcement communities and the growing, private digital forensics investigation sector through the development of leading edge digital forensics hardware and software technology used in some of the most complex digital forensics investigations today. ICS' product line includes: Handheld IT and Forensic Duplicators, Industrial Multi-Drive Duplicators, Portable Forensic Workstations, Hard Drive Sanitization Units, Write Protection devices and more. Learn more about ICS at [www.ics-iq.com](http://www.ics-iq.com)

## OPTIONS

- PCI-e expansion box: Equipped with 3 PCI-e one lane expansion slots (Cards limited to 12 volts per slot) for upgradability and additional device support.
- The expansion box includes:
  1. PCI-e SCSI 320Mbit/sec Controller, for SCSI drive support (Additional adaptors may be required).
  2. PCI-e FireWire Controller with two 1394B ports and 1394A port
  3. PCI-e Express Card Reader controller for use with Express Memory Card (not USB based card) or other express plug in cards.

Individual Controllers can be replaced with special purpose controller such as WiFi card.

External devices that require power need to be powered from external power source.

- Open Drive Tray
- IDE Host and Drive Caddy
- 2.5"/1.8" Host and Drive Caddy
- 3.5" Host and Drive Caddy
- Optional Adapters for e-SATA drives, IDE drives, Micro SATA drives, 2.5", 1.8" Notebook drives
- and ZIF drives
- Solid State Express Card Drive
- Memory card reader (12-in-one)
- USB Mini Keyboard.
- Miniature USB Hub.
- USB to Wi-Fi.

## UNIT SPECIFICATIONS

- 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.



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