Demi YG2040

Dependable, Versatile Duplicator

- 1 to 3 Duplication
- 2-Master Copy Support
- Cross-Interface Copy
- Target Data Protection Alert

**SATA
SAS
SCSI*
Fibre Channel*
mSATA*
USB3.0
IDE***

* Options

**Duplicate
Erase
Resize
Diagnosis
Drive Information
Forensic Imaging
Custom Scripts**

- Logging USB Port
- Remote Operations via Software
- Stand-alone Operations
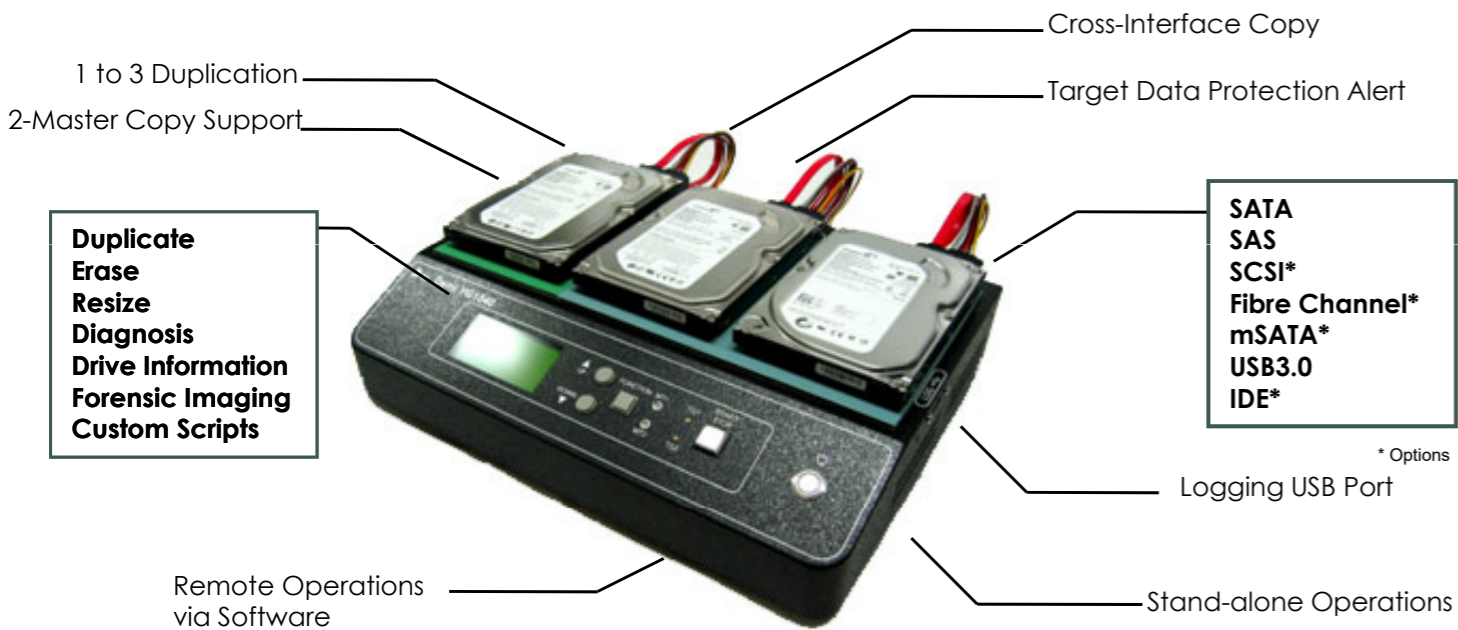
Backed by 30 years of experience and engineering in digital storage technology, built for professionals in IT and law-enforcement communities in need of full flexibility in one small unit, that is what Demi YG2040 is all about.

A Wide Range of Interface Support
Native interface SATA 6G, SAS 6G and USB3.0 accelerates the process speed to the limit. In addition, Demi YG2040 is capable of connections with **SCSI** and **Fibre Channel**, not mention to IDE and mSATA (Full and Half Size). 50–68pin and 80–68pin SCSI adapters available.

Dual Master Drive Configuration Copy
Demi YG2040 is versatile in copy scenarios. Basic 1 to 1 copy, 1 to 2 copy, 1 to 3 copy. 2 concurrent copy sessions of 1 to 1 duplicating two SATA and SAS master drives to 2 target drives. Cutting down the duplication time almost in half.

Cross-Interface Copy
It helps backing-up old, phasing-out drives to new technology among various interface types.. For example, backing up data from SCSI to SATA, or Fibre Channel to SATA. For details see the next page.

Proactive Data Protection from Unintended Overwrite
It would be a shocking moment when realizing critical data is overwritten unintentionally! When Master drive is connected to Target port or Target drive still contains data, Demi YG2040 proactively checks before proceeding to the overwrite mode and alerts user of potential accident.

More Than A Duplicator
Multi interface duplication is not the only advantage YG2040 offers. As an all-round capabilities machine, it erases, resizes, diagnoses, and images forensically on a professional level as well, getting all critical jobs done just in one unit.

File System and Mapping Copy modes make copy fast
File System Copy Mode duplicates data area only using MBR and GPT. **MAP COPY** function cuts down copy time drastically when copying a large volume. It Utilizes the master data information for repeating copy events efficiently.

Data Recovery Copy Modes
ERROR SKIP COPY and **REVERSE COPY** are must-have tools to retrieve as much data as possible from drive with issue. Error Skip Copy skips a weak sector and continues duplication on. Reverse Copy allows for better chances to salvage data from a hard-to-read drive by copying backward from the last sector to beginning .**ADVANCED REVERSE SKIP COPY** is more powerful for this task.

Use Device As External Drive
Drive connected to YG2040 can be mounted as an external master or target drive for PC via Ethernet connection. Master drive is write-protected when being accessed without risking data integrity.

Increase Power With Software
Optional software adds advantages furthermore in using Demi YG2040. It executes script remotely and creates log files, work reports and CSV database saving them in PC. Sold separately.

DEMI YG2040

FEATURES
- **DUPLICATION** All copy, Compare, Error skip copy, Reverse copy, Range copy, Data only copy, Mapping copy, Multi target copy, Cross-interface copy
- **ERASURE** NIST Purge & Clear, DoD(3), DoD ECE (7), Security Erase, One time Erase, N times Erase, NSA, NCSC, US Army, US Navy, US Air Force
- **DATA RECOVERY** Bad sector skip copy, Reverse copy, Advanced Skip Copy, Advance Reverse Skip Copy
- **DIAGNOSIS** SMART Status, Short and extended self test, Read all and random, Write, Verify all and random, Read Write compare, Cycle test, Test Repair
- **RESIZE** HPA, DCO, AMAC, SCSI Format
- **DRIVE INFO** Drive info, Partition info, Map data info, Erase map, Error info
- **FORENSIC IMAGING** DD Create, E01 Create, Ex01 Create, DD Hash, E01 Hash, Ex01 Hash, Format FAT32, Format exTAT, Format NTFS, Restore image to HDD, Mount master to HDD, Mount target to HDD
- **CUSTOM SCRIPTING**
- **REPORTING** process logs, work reports, CSV database

CROSS-INTERFACE CONNECTIONS MATRIX

Master Drive							
	SATA	SAS	SCSI	Fibre Channel	USB3.0	mSATA	IDE
SATA	O	O	O	O	O	O	O
SAS	O	O			O	O	O
SCSI	O		O		O	O	O
F C	O			O	O	O	O
USB3.0	O				O	O	O
mSATA	O	O	O	O	O	O	O
IDE	O	O	O	O	O	O	O

Target Drive

OPTIONS
SCSI Kit
Fibre Channel Kit
USB Kit (Target)
mSATA Adapter
IDE Kit
Terminal Software

SPECIFICATIONS

	Descriptions
Model	DEMI YG2040
Part No.	Y-2255
Supported Interface	SATA 6G SAS 6G USB3.0
Optional Interface	SCSI, Fbre Channel, mSATA, IDE (SCSI daisy-chained:68-50, 68-80 available)
Port Connections	1 to 3 duplication, 2 sessions x 1 to 1 duplication, 4 x erase
Dimensions	10 "x 10" x 2.5" 350 255 77
Weight	3.25lb 2.8k

	Descriptions
Cross-Interface Copy	SATA-SAS-SCSI-FC-mSATA-IDE-USB
Power Specifications	AC 100-240V 50/60Hz
Power Consumption	1.92A (Max)
Communication Port	Ethernet (1000BASE-T / 100BASE-TX / 10BASE-T)
Operating Environment	Temperature 10 - 35°C (50 – 95°F) Humidity 30 - 80%
Logging Port	USB2.0 Type A
Maximum HDD Capacity	SATA: 144PB SAS: 9.4ZB

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* The specifications and design of the product are subject to change without notice.

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