



MGU12

Touch Screen Multi-Interface Device Data Eraser

SAS/SATA/M.2/U.2/USB 3.0

Up to **30GB/min.**
Wiping Speed

Features

30+ Erasure Functions Compliant with Multiple National Erasure Standards

The MGU12 is ideal for governments, data centers, financial sectors, and medical centers for data destruction. Erasure modes with multiple options are available for selection to wipe off confidential data of the drive, including 1-Pass Erase (00), 1- Pass Erase (Random number), US DoD 5220.22-M, US DoD 5220.22-M ECE, NSA Erase, Military AR380-19 Erase, BMB21-2019 (Chinese Security Bureau), etc.

The First FPGA architecture designed multi-interface data eraser

Unlike computer wipers on the market that are modified or rely on an external computer, the MGU12 uses native protocols to communicate with the device to perform the wipe task. It can accurately erase areas that are unreadable by computers and provide precise erasure reports when completed. Operating the wipe function directly on a stand-alone unit reduces the risk of data security breaches, thereby enhancing security management. In addition to ensuring the security and efficiency of erasure, the closed architecture design of FPGA can also prevent computer virus attacks, data tampering and device management issues. It also ensures compatibility and facilitates user equipment maintenance.

High-speed erasure, pushing towards the limits.

Twelve devices can independently perform erasure tasks. During actual testing, the maximum erasure speed for SAS hard drives reaches up to 374MB/s, for SATA hard drives, it reaches up to 500MB/s, and for M.2 and U.2 SSDs, it goes up to 220MB/s. USB3.0 flash drives also achieve a maximum erasure speed of 220MB/s. The test results remain consistent whether using a single port or fully loading all ports. Please note that the actual erasure speed is still dependent on the read/write speed of the individual device.

4 interfaces, meeting the data erasure needs of over 90% of storage devices in the market.

Featuring four different interfaces – SAS, M.2, U.2, and USB3.0 – combined with U-Reach's cross-signal and device backward compatibility features, the MGU12 greatly expands its supported device range. It includes SATA backward compatibility with SAS, allowing for support of additional devices through SATA adapters. The cross-signal design of the M.2 interface supports both M.2 NVMe SSDs and M.2 SATA SSDs without the need for signal switching, as long as the interface is compatible. MGU12 can automatically recognize the signal. The U.2 interface incorporates the characteristics of both SATA and SAS interfaces, providing users with more flexibility in their operations. Notably, the USB3.0 interface, in addition to being compatible with USB flash drives, also allows for the erasure of USB-HDD flash drives.

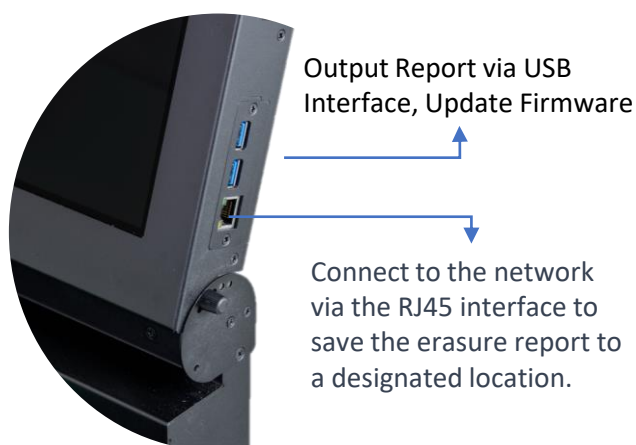


S.M.A.R.T. Info with Detailed Descriptions

You can find various data about the hard drive from the display device information, including the hard drive's model, version, serial number, capacity, S.M.A.R.T. Info, and the values written during erasure. In addition to on-screen display, when storing the erasure report, all the information about the hard drive will be simultaneously output. S.M.A.R.T. Info can be used as a reference for the hard drive's health, but the hard drive must support the S.M.A.R.T. Info command.

Erasure Record Report (Log Report)

Compliant with NIST 800-88 and R2V3 erasure record reports (Log Report) : Generate standalone or aggregated reports, which can be stored on USB or saved to a network location. Erasure records can also be viewed on the MGU12, including device information, erasure function timestamps and outcomes, hard drive S.M.A.R.T. Info, and eraser information. Users can export the erasure report electronically through the USB port on the right side or connect to the network via the RJ45 interface to save it to a designated location.



Foldable Touch Screen with Five-Section Fixed Axis

Folding screen design reduces the overall size of the eraser, while the five-section fixed screen axis is better aligned with the operator's perspective.



- ▲ When not in use, the screen can be folded, reducing the overall volume.



- ▲ Five-section fixed screen axis (with screws on both sides), adjustable according to the user's perspective.


User Permission Settings

Functionality is allocated according to users' varying levels of authority. For instance, administrators have maximum privileges and can access all functions, including modifying erasure settings. Operators have minimal privileges, being able to perform erasure tasks only while having no visibility of other functions. Once the permission settings are in place, an added layer of security is provided through password protection, ensuring a more rigorous erasure process.

ISO Conformed Data Eraser

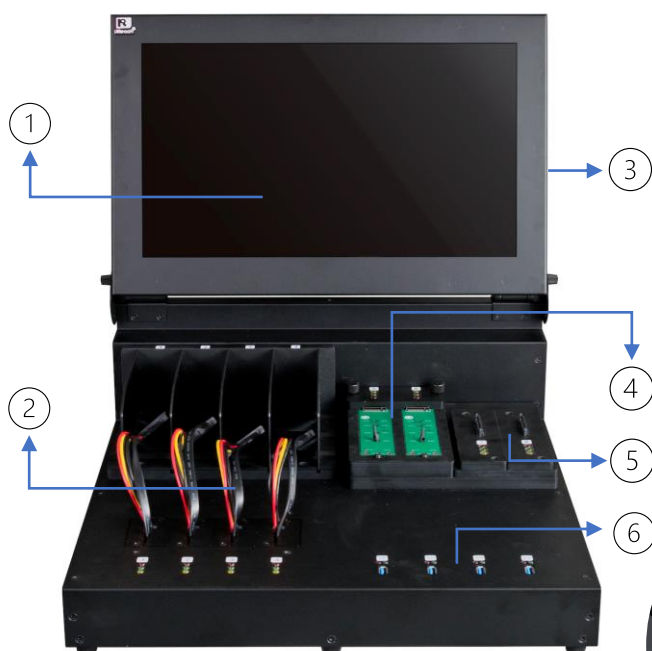
Whether to ensure data overwriting securely or to leave data wiping of records, Besides the data erasure, the MGU12 keeps records of data erasing, exports erasure logs, and rechecks if the drive was erased completely. Compliance with ISO norms and standards, the MGU12 is the best choice when customers need data security and management.

Product Package Dimensions & Weight

Photo	Model	Targets	Product Size	Package Dimensions	Product Weight
	MGU12	SAS*4 M.2*2 U.2*2 USB3.0 *4 Total 12 ports	42*41*44 (The dimensions after folding the screen are 42*41*20)	N/A	9.27 kg

Product Appearance

MGU12 Front



MGU12 Back



Each interface is equipped with erasure status LED indicators (Red, Green, Yellow; USB interfaces have Red and Green LEDs)."

- ① Touch Screen
- ② SAS HDD Connector Module *4
- ③ USB Port (Log Output & FW Update) and RJ45 interface to save the erasure report to a designated location.
- ④ M.2 SSD Connector Module*2
- ⑤ U.2 SSD Connector Module*2
- ⑥ USB3.0 Connector*4

- ⑦ Screen power connection cable and signal connection interfaces.
- ⑧ Power Switch & Power Jack
- ⑨ Grounding Port

Basic Specifications

Wiping Speed	Up to 30GB/min. *The actual erasure speed is still dependent on the read/write speed of the individual device. (In actual testing, the maximum erasure speed for SAS hard drives reaches up to 374MB/s, for SATA hard drives, it reaches up to 500MB/s, and for M.2 and U.2 SSDs, it goes up to 220MB/s. USB3.0 flash drives also achieve a maximum erasure speed of 220MB/s.)
Erase Function	Over 30 erasure functions are available, and new erasure functions may be added based on different national and the latest erasure regulations. The manufacturer serves the right to make specification changes without prior notice.
Erase Setting	Erase Percentage(%), Verify Percentage(%), How many sectors to skip, The timeout for executing, Number of retries on error, Errors allowed when erasing, Random number form used, Minimum speed allowable time, Minimum speed allowable (MB/s)
Erasure Log Viewing	<ol style="list-style-type: none"> 1. Clear All Log records 2. Setting File Location 3. Save File 4. Select Range
Erase Log Manager	<ol style="list-style-type: none"> 1. Save File (.txt/.csv/.pdf) 2. Select range 3. Clear All Log records
Utilities	Activate Account Management, Set boot animation and Set screensaver, Adjust the system clock, Language
Supported O/S	All (Windows / Mac / Linux / other proprietary systems)
Operational Mode	FPGA Architecture / Standalone / No PC & Internet Required
LED Indicators	3 LED Indicators per port Yellow (Power On), Green (Pass), and Red (Fail)
Languages	Chinese, English

Hardware Specifications

DC Output (Power)	115V AC or 230V AC, 50/60Hz		
Operating temperature	5°C ~ 45°C	Non-operating temperature	-20°C ~ 85°C
Operating Humidity	20% ~ 80%	Non-operating Humidity	5% ~ 95%

** Specifications and accessories may vary across regions;

** Specifications are subject to change without notice.