

# M.2 / U.2 1 to 1 Dual-signal PCIe SSD Duplicator and Sanitizer

NUS02D

**24GB/min**  
Transfer Speed



The NUS02D is a duplicator and Sanitizer that supports NVMe, AHCI, U.2, and SAS/SATA protocols. It features automatic device signal detection and supports high-speed duplication up to 24.0 GB/min. It also includes an Event Log Report function for comprehensive tracking of function execution and results.

## Features

### Controller Design

Embedded controller is designed to support capacities over 18TB+. Constant improvement supports latest market-available devices.

### Read-Only Source Port

There is no option to disable this built-in feature and it is integrated with all U-Reach duplicators.

### Non-PC based System designed

Each job can start immediately after the previous one is completed, no waiting time required, no system restart required, neither.

### Event Log Report

- Records: operating durations, individual port copy progressions, connected device models, capacities, serial numbers, and PASS or FAIL results.
- Device writing/reading speeds are recorded.
- Log report files are generated through Port #1 or through the U-Reach PC Link Software Utility.

### Modularized Socket Design

Modular-designed M.2 ports effectively reduce downtime and is cost-effective for long-term ownership.

### Cross-interface Duplication

Automatically detect different devices and capable to copy from M.2 to U.2 device or vice versa.



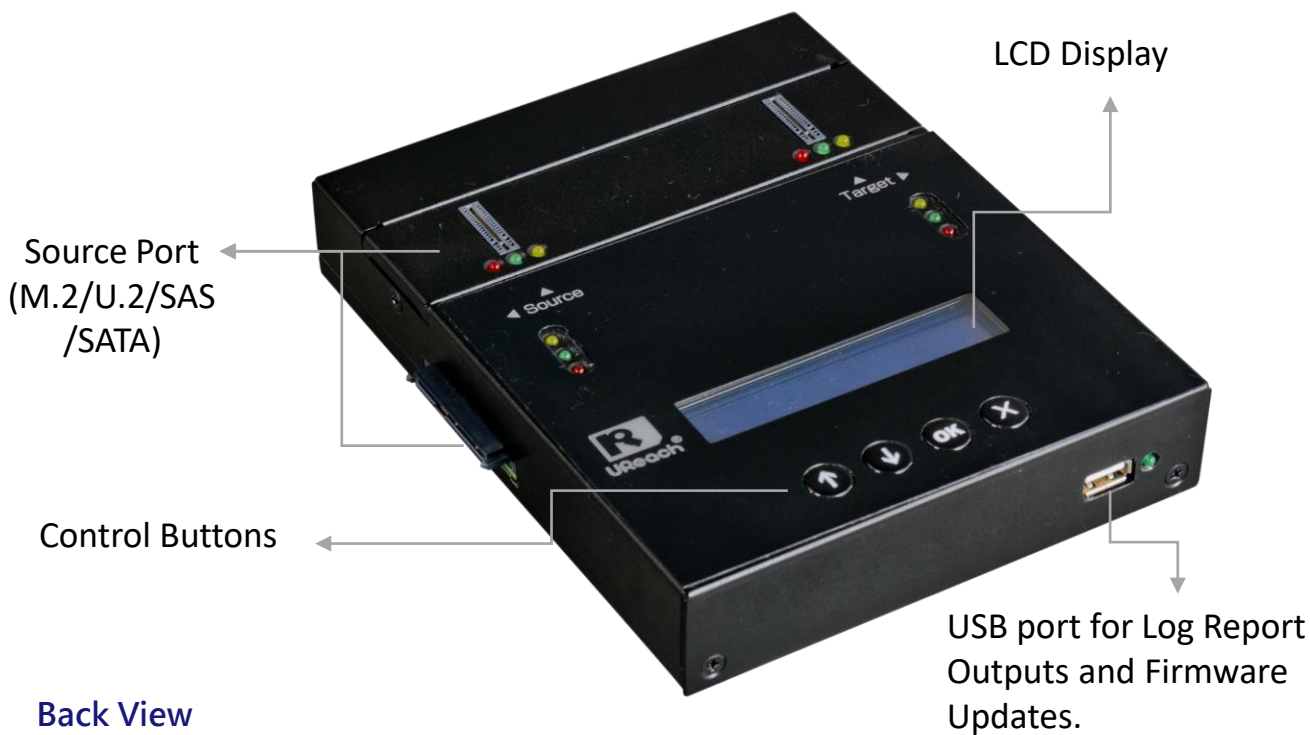
M.2 → U.2



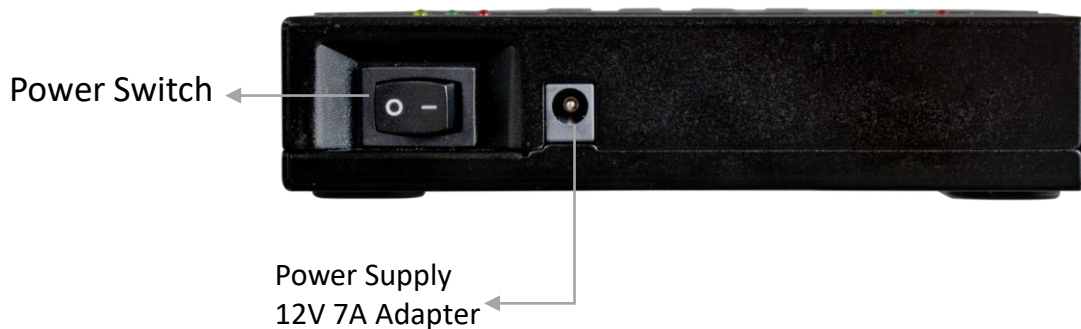
U.2 → M.2

# Product Overview


## Front View



## Back View



# Product Models

Photos	Models	Target Ports	Product Dimensions	Package Dimensions	Package Weight
	NUS02D	1:1	18.2 x 16 x 3.42 cm	26.5 x 21.5 x 7 cm	1.5 Kg

## Supported Interfaces

Interface	M.2	U.2 / U.3 / SAS / SATA
Signals	NVMe / SATA	NVMe / SAS / SATA

## Standard Package



Duplicator x 1



12V 7A  
Adaptor x 1



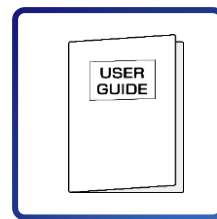
Power Cord x 1



SAS Cable x 2  
(for connecting  
SAS and SATA  
device only)



Pad x 2



User Manual x 1

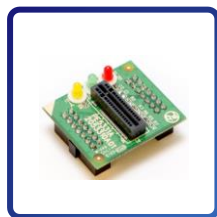


1 pair of Gloves\*

\*Wear protective gloves to prevent burns when handling devices.

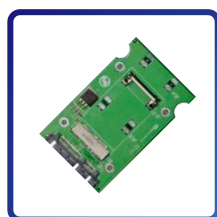
## Optional Accessories

PE5331A



M.2 Socket

TB1527



mSATA to SATA  
Adapter

P1053



CFast to SATA  
Adapter

## Specifications

Maximum Speed Supported	24.0 GB/min (400 MB/sec) *Actual performance is dependent on device transfer speeds*
Supported Formats	<ul style="list-style-type: none"> <li>Quick Copy (System and Files): FAT16/32/64, Windows (NTFS), Linux(Ext2/Ext3/Ext4/LVM), and Mac(HFS/HFS+/HFSX)</li> <li>Whole Device Copy: All formats, including proprietary formats.</li> <li>GPT, MBR, and Advanced Formats.</li> </ul>
Supported Capacity	Over 18TB+.
Supported OS	All (Windows, Mac, Linux, and other proprietary systems)
Operation Mode	Standalone, FPGA-based Operation
Language	English, Japanese, Spanish

## Functions

Copy Modes	Quick Copy (System and Files) / All Partitions / Whole Device / Percentage Copy
Compare (Verification)	Bit-by-bit data comparison from the source device to target device(s).
Sanitization Modes	Quick Erase, Full Erase (NIST 800-88), DoD Erase (DoD 5220.22-M) and Secure Erase (NIST 800-88).
Skip Bad Sectors	Skip the number of bad sectors during Copy/Compare/Erase.

## Compatibilities

Compatible Device	Directly compatible with: M.2(NGFF) M Key & B+M Key; U.2; U.3; SAS; SATA
Compatible Signal	NVMe, SATA, SAS
Devices Require Optional Cables or Adapters	MAC PCIe SSD, mSATA, CFast Card.

## Hardware Specifications

LCD Display	2x20 Backlit Monochrome LCD Display	
LEDs	3 LED Indicators per Port: Yellow (Power), Green (Pass), Red (Fail)	
Control Panel	4 Push Buttons (▲, ▼, OK, ESC)	
Power Requirements	12V 7A Power Adaptor	
Temperature	Working: 5°C ~ 45°C	Storage: -20°C ~ 85°C
Humidity	Working: 20% ~ 80%	Storage: 5% ~ 95%
Certifications	FCC, CE, RoHS, and Reach	

\*\*Specifications subject to change without notice.