

## SD312N: SD/ MicroSD Duplicator



SD312N is the best portable 1 to 2 SD/MicroSD Flash Duplicator. It's an FPGA-based, standalone design. Supports Windows (NTFS), FAT16/32/exFAT, and Linux (ext2/ext3/exr4) in copy modes. Ultra-high speed transfers up to 1.5 GB/min.

## Features

### Controller Design

- Embedded controller is designed to support capacities 2TB .
- Constant improvement supports latest market-available devices.

### SD and MicroSD card interface

- Supports all brands of SD and MicroSD Cards without the need for a transfer card.

### Stand-alone Design

- Stand-alone and portable design, no computer required.

### Read-Only Source Port

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

### Support USB Power Bank

- Portable design and support USB power bank.

### Diagnostic Modes

- H3 Test : Determines if the flash is readable.
- H5 Test: Overwrites machine-generated values to all sectors in the NAND flash, and verifies them to determine quality.
- H6 Test: Resembling the H5 test, it overwrites machine generated-values only to the empty sectors without disturbing pre-existing data, partitions, and formats.
- Capacity Check: Verifies initial sector and the final sector the connected flash device within 2 seconds.
- Read/Write Speed Check: Performs a read/write benchmark of the connected devices within 8 seconds.

### Copy Modes

- Quick copy (System & Files) can support Windows (NTFS), FAT16/32/exFAT, and Linux (ext2/3/4).
- Whole Media copies exactly the same of the master device.
- Supports all proprietary and unknown formats.

## Product Models

Photos	Models	Target Ports	Product Dimensions (cm)	Package Dimensions (cm)	Package Weight (kg)
	SD312N	1:2	13.5 x 8 x 2.5	22 x 17.5 x 6	N.W:0.16 G.W:0.44

## Standard Package



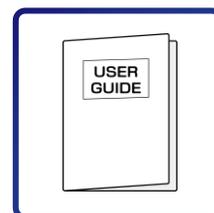
Duplicator x 1



Power Adapter x 1



Cable for Power Bank x 1



User Manual x 1

## Functions

Copy Modes

Quick Copy (System and Files) / Whole Media Copy / Asynchronous Duplication

Compare (Verification)

Bit by bit data comparison from the source device to target device(s).

Diagnostic Modes

- H3 Test: Only reads to verify the maximum capacity quality. (All data is 100% safe)
- H5 Test: Overwrites then reads to verify maximum capacity quality. (All data is destroyed)
- H6 Test: Same as H5 Test, but only in empty sectors/spaces. (All data is 100% safe)
- Capacity Check: Complete device analysis of available capacity

Sanitization Modes

Quick Erase, Full Erase, and DoD Erase

Format Function

Formats device to FAT16 or FAT32

## Specifications

Bandwidth Performance	Up to 1.5 GB/min	
Support Formats	<ul style="list-style-type: none"> <li>• Quick Copy (System and Files): FAT16/32/exFAT, Windows (NTFS), Linux(ext2/ext3/ext4)</li> <li>• Whole Device Copy: All formats, including proprietary formats.</li> </ul>	
Support Capacity	All market including sizes over 2TB.	
Operation Mode	Stand-alone, FPGA-based Operation (Non-PC based)	
Language	English, Japanese	
Compatible Device	All SD and MicroSD	
Support Formats	<ul style="list-style-type: none"> <li>• Quick Copy : FAT16/32/exFAT, Windows (NTFS), Linux(ext2/ext3/ext4)</li> <li>• Whole Device Copy: All formats, including proprietary formats.</li> </ul>	
Support O/S	All (Windows, Linux, and other stand-alone systems)	
LCD Display	Backlit Monochrome LCD Display	
LEDs	2 LED ( Red/Green) Indicators per Port	
Control Panel	4 Push Buttons (↑, ↓ , O, X)	
Power Requirements	5V 2A	
Temperature	Working: 5°C ~ 45°C	Storage: -20°C ~ 85°C
Humidity	Working: 20% ~ 80%	Storage: 5% ~ 95%
Certifications	FCC, CE, RoHS	

\*\*\*Specifications subject to change without notice.