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), FAT16/32/64, and Linux (ext2/3/4) in copy modes. Ultra-high speed transfers up to 2.0 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 : 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.

Copy Modes
- Quick copy (Data & System) and support Windows (NTFS), FAT16/32/64, and Linux (ext2/3/4).
- Whole Media: Copy mode which copies exactly like 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

Specifications

Bandwidth Performance	Up to 2.0 GB/min
Support Formats	• Quick Copy (System and Files): FAT16/32/64, Windows (NTFS), Linux(Ext2/Ext3/Ext4) • Whole Device Copy: All formats, including proprietary formats.
Support Capacity	All market including sizes over 2TB.
Operation Mode	Stand-alone, FPGA-based Operation (Non PC-based)
Language	English, Japanese
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

Compatible Device	All SD and MicroSD
Support Formats	• Quick Copy : FAT16/32/64, Windows (NTFS), Linux(Ext2/Ext3/Ext4) • Whole Device Copy: All formats, including proprietary formats.
Support O/S	All (Windows, Linux, and other stand-alone systems)

Functions

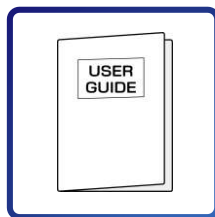| Copy Modes	Quick Copy (System and Files) / Whole Media Copy / Asynchronous Duplication
Compare (Verification)	Bit by bit data comparison from the source device to target device(s).
Diagnostic Modes	•H3 Test: Only reads to verify the maximum capacity quality. (All data is 100% safe) •H5 Test: Overwrites 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

Standard Package

Duplicator x 1   Power Cord x 1   User Manual x 1   1 pair of Gloves*