SP Series: NVMe / SATA 1 to 1 M.2 and SATA SSD Duplicator

SP series is the world's first standalone duplicator supports NVMe , AHCI and SATA protocol. It automatically detects device signal, and supports ultra-high speed duplication up to 24.0 GB/min.

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.

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

Non-PC based, Hot-swapping Supported
Each job can start immediately after the previous one is completed, no waiting time required, no system restart required, neither.

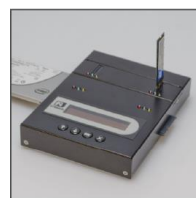### Cross-signal and cross-interface Duplication
Automatically detect different signal of each port. Easy to copy from SATA to NVMe M.2 and vice versa.*

M.2 (NVMe) ➡ M.2 (NVMe)   M.2 (NVMe) ➡ SATA   SATA ➡ M.2 (NVMe)   SATA ➡ SATA

*Note: While doing cross-signal copy of OS system, please be aware of the limitation of drivers and execution path..

Product Models

Photos	Models	Target Ports	Product Dimensions	Package Dimensions	Package Weight
	SP101	1:1	18 x 15.6 x 3.4 cm	26.5 x 21.5 x 7 cm	1.5 Kg
	SP151	1:1	18 x 15.6 x 3.4 cm	26.5 x 21.5 x 7 cm	1.5 Kg

Standard Package

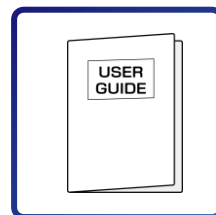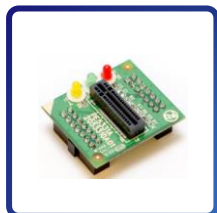|			
Duplicator x 1	12V 5A Adaptor x 1	Power Cord x 1	SATA Cable (6cm) x 2
Pad x 2	User Manual x 1	1 pair of Gloves**	

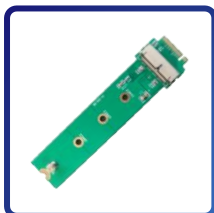**Wear protective gloves to prevent burns when handling devices.
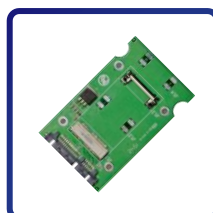
Optional Accessories

PE5331A	U0172	TB1527	P1053
M.2 Socket	MAC PCIe SSD Adapter	mSATA to SATA Adapter	CFast to SATA Adapter

Specifications

Maximum Speed Supported	SP101: 9.0 GB/min (150 MB/sec) SP151: 24.0 GB/min (400 MB/sec) *Actual performance is dependent on device transfer speeds*
Supported Formats	• Quick Copy (System and Files): FAT16/32/64, Windows (NTFS), Linux(Ext2/Ext3/Ext4), and Mac(HFS/HFS+/HFSX) • Whole Device Copy: All formats, including proprietary formats. • GPT, MBR, and Advanced Formats.
Supported Capacity	Over 18TB+.
Supported OS	All (Windows, Mac, Linux, and other proprietary systems)
Operation Mode	Standalone, FPGA-based Operation
Language	English, Japanese

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.
Compatible Signal	NVMe, AHCI, SATA
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 5A 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.