SP101: NVMe / SATA 1 to 1 Dual-signal Duplicator

SP101 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 9.0 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

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

Standard Package
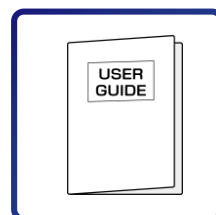

Duplicator x 1

12V 5A Adaptor x 1

Power Cord x 1
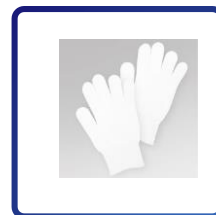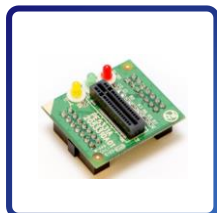

SATA Cable (6cm) x 2

Pad x 2

User Manual x 1

1 pair of Gloves*

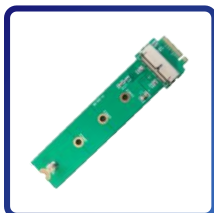*Wear protective gloves to prevent burns when handling devices.

Optional Accessories
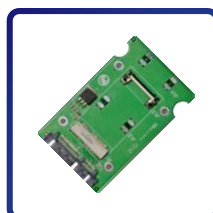
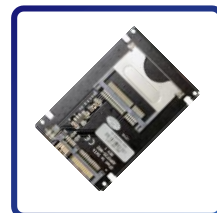| P1098	U0172	TB1527	P1053
M.2 Socket	MAC PCIe SSD Adapter	mSATA to SATA Adapter	CFast to SATA Adapter

Specifications

Maximum Speed Supported	9.0 GB/min (150 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.