



PC-LINK• Image Management NVMe/SATA Cross-interface Duplicator

PP281

24GB/min
Transfer speed

PP281 is a professional duplicator with few ports and multiple interfaces for duplication. It adopts industrial-grade FPGA architecture design, allowing the duplicator to support cross-interface, auto signal identification and auto power-off function. With the source image file management system, multiple images file can be stored in a large-capacity hard disk for centralized management. It can be connected to PC through Type-C interface, making the duplicator a perfect M.2 external box. Reading and modifying the M.2 SSD can be easy and convenient.

Key features

M.2 & SATA Cross-interface mode

With cross-interface design, even if you use different interface devices, you can directly copy on the duplicator without installing drivers or restarting. It can meet the needs of customers with different devices.

Source management system

With connection to PC, it's available to create an image file through duplicator, and can store multiple image files for centralized management in the master hard disk. Reading the source content, modifying the image file name or deleting of a single image file are supported on PP281.

FPGA architecture

Adopting industrial-grade FPGA architecture, in addition to cross-signal and cross-interface copying, it also avoids the problems of computer crashes, being infected, and the need to restart after each round of copying.

Hot swap, auto power off

In NVMe specification, when the device is plugged and unplugged under power supply, it is easy to cause data loss or device damage. PP281 does not need to be restarted, and the device is automatically powered off after the copy is completed, ensuring the safety of M.2 SSD.

Link to PC to read/write source data

Connect to PC via Type-C interface to use as an external box, no need to distinguish the signal, allowing users to read and modify file content of source device directly on the computer.

Auto recognition of NVMe / SATA / AHCI signals

M.2 SSD is difficult to distinguish between NVMe and SATA signals from the appearance. As long as the device is connected to duplicator, the signal can be automatically identified and copied, no need to read the specification to confirm the SSD signal, even if different signals .



Dual data verification: Compare+ CRC

In addition to the bit-to-bit comparison function, PP281 uses the CRC international calculation standard to confirm the correctness of the data, and whether the source data is correct. User only needs to confirm the CRC value at the end of the copy, and can also confirm whether the copied data is correct.

CRC:7073923CEBDF7B58

Supported Interface

- Each port is modularized to save plug in and pull out time. Therefore, it greatly increase the production efficiency.
- Users can easily and swiftly replace the interface module.
- Supported Interfaces :

| | | | |
|---------------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
| Interface | M.2 (NGFF) | | SATA |
| Picture |  | |  |
| Device Signal | NVMe AHCI | SATA | SATA |

Standard Accessories



Duplicator
x 1



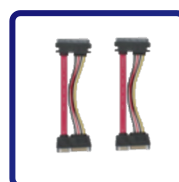
12V 9A
Adaptor x 1



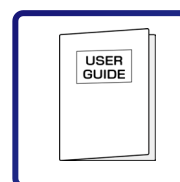
Power Cord
x 1



USB Type-C
Cable

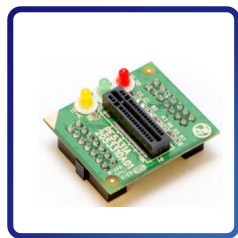


6cm SATA
x 2

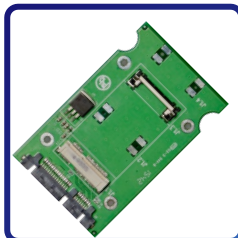


User Manual
x 1

Optional Accessories



M.2 Socket
-P1098



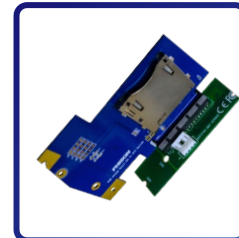
mSATA to SATA
Adapter
-P1041



M.2(NGFF) to
SATA Adapter
-P1051



CFast to
SATA Adapter
-P1053



CFexpress
Adapter

Specifications

| | |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bandwidth Performance | 24 GB/min. *Actual performance is dependent on Device transfer speeds |
| Supported Formats | <ul style="list-style-type: none"> 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. |
| Image File Operation Mode | <ul style="list-style-type: none"> HDD → Image Image → HDD (Can be executed under Copy, Compare, Copy+Compare) |
| Supported OS | All (Windows, Mac, Linux, and other proprietary systems) |
| Operation Mode | Standalone, FPGA-based Operation |
| 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) |

Functions

| | |
|--------------------|--------------------------------------------------------------------------------|
| Copy Modes | Quick Copy (System and Files) / All Partitions / Whole Device /Percentage Copy |
| Sanitization Modes | Quick Erase, Full Erase (NIST 800-88), Secure Erase |
| Others | Bit-by-bit Comparison, Count of Bad Sector , Skip Bad Sectors |

Compatibilities

| | |
|-------------------|----------------------------------------------------------------------------------------------------------------|
| Compatible Device | • M.2(NGFF) M Key & B+M Key、 SAS interface |
| Compatible Signal | NVMe, AHCI, SATA |
| Others | <ul style="list-style-type: none"> Supports GPT, MBR, and Advanced Formats. Over 18TB+ |

Hardware Specifications

| | | |
|---------------------|----------------------------------------------------------|-----------------------|
| Power Requirements | 12V 5A Power Adaptor | |
| Temperature | Working: 5° C ~ 45° C | Storage: -20°C ~ 85°C |
| Humidity | Working: 20% ~ 80% | Storage: 5% ~ 95% |
| Physical Dimensions | 180 mm X 156 mm X 34 mm | |
| Product Weight | 888g (Machine net weight) / 2450g (Machine gross weight) | |
| Packaging | 340mm X 280 mm X 190 mm | |

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