# PCIe NVMe M.2 SSD Duplicator and Sanitizer 1 to 20 (PE2100)

Rating: Not Rated Yet
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PE Series

**Main features PCIe M.2 Duplicator and Sanitizer 1-20 (PE2100)**

- Speed transfers up to 24 GB per minute.
- Non-PC based design, supports hot swapping.
- Systems & files code mode supports Windows (FAT16/32/exFAT, NTFS),
  Linux (ext2/ext3/ext4) and Mac (HFS, HFS+, HFSX.)
- Data Sanitization: Quick Erase, Full Erase, DoD Erase, DoD Erase + Compare and Secure Erase.
- Supports M key and B+M key for PCIe / SATA M.2 SSDs.
- Supports SATA / U.2 / PCIe SSD / BGA SSD through adapter.
- Log report management records all task details for better enhanced management.
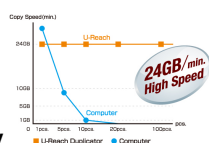
## Product Description

PE series is a professional PCIe M.2 duplicator, specially designed for high volume duplication. U-Reach adopted a unique multitasking technology that can simultaneously copy 20 PCIe M.2 targets with a high transfer speed of 24 GB per minute.

We guarantee the highest productivity without speed degradation even as the number of targets increases. The PE series M.2 duplicator provides four copy modes: quick smart copy, all partitions copy, percentage copy and whole copy that all meet different duplication task requirements. The quick copy mode copies data and skips blank area. NTFS, Linux (Ext2/Ext3/Ext4), FAT/FAT32/exFAT and Mac (HFS, HFS+, HFSX) formats can all be supported with quick copy mode.

In addition, the PE series M.2 duplicator is equipped with different levels of erase functions, Quick Erase, Full Erase, Secure Erase, DoD 5220 Erase government standards, which can fulfill different levels of PCIe wiping security.

## Features



● **Impeccable Efficiency**

U-Reach PCIe M.2 duplicator copies at **24.0 GB/m** on all PCIe M.2 simultaneously, without any speed degradation as number of targets increase.

● **Whole Device Copy**

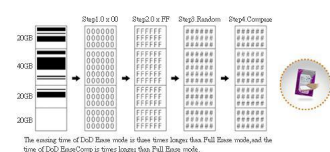Whole Device Copy supports various partition formats.

● **Systems & Data Copy**

 This mode identifies Windows (FAT16/32/64, NTFS), Linux(ext2/ext3/ext4) and Mac (HFS, HFS+, HFSX) formats. It will copy only the data and system contained area, which enhances the copy time.

● **Sanitization methods**

The PCIe series duplicator offers 3 ways of erase.

**1. Quick Erase:** Erase PCIe SSD index table, and only takes A FEW SECONDS to complete
**2. Full Erase:** Erases the entire PCIe SSD
**3. DoD Erase:** Complies with U.S. Department of Defense erasure standards.



● **Device Compatibility**

- Supports GPT, MBR table format
- Supports Advanced format SSD, Up to 18TB above device
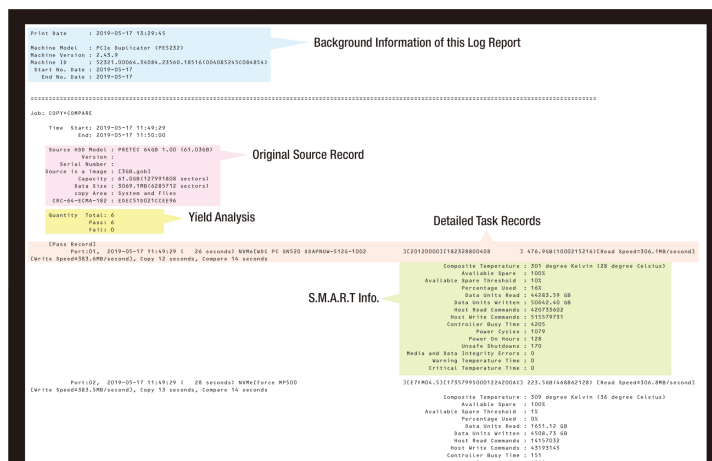- Supported OS: Linux, Unix, Windows, Macintosh, etc. are all supported.

- **Open Platform Design**

- Supports M.2 (default)

- Supports optional SSD to store images.



- **Log Report Management**

- Records operation time, each port's process details, including SSD's model, capacity, S/N, result (pass, fail).

- Supports S.M.A.R.T Info.



- Log report .txt file can be generated via USB port and saved to USB device



- Up to 30,000 log entries can be saved. One command onto one SSD is recorded as one log entry. (e.g. duplication from 1 SSD to 21 targets will be recorded as 21 log entries)



- **Auto power control system**

When the duplicator stops executing any function, the SSD Copier will automatically cut off the power of each port to protect the SSD from damage during removal from the duplicator. The power of each port will only be supplied when the operation is running.

- **Standalone operation**

There are two modes of operation available for selection, standalone and PC-link operation, each meeting different demands. Standalone is excellent in simplifying operation and very user-friendly (all duplication jobs can be completed via input through 4 buttons).

## Specification

| | | Model | PE2100 |
|---|---|---|---|
| | | Target | 20 |
| Specification | Maximum Transfer Speed | 24.0GB/min. (400MB/sec.) *Actual performance is dependent on device transfer speeds* | |
| | Capacity | Supports the latest market available capacity Designed support capability up-to 18TB+ | |
| | Operating Type | Stand-alone, FPGA-based operation (Non PC-based) | |
| | Supported Languages | English, Japanese | |
| | LCD Display | Backlit Monochrome LCD Display | |
| | LEDs | 3 LED Indicators per Port: Yellow (Power), Green (Pass), and Red (Fail) | |
| Features | Control Panel | 4 Push Buttons(?, ?, OK, ESC) | |
| | Copy Modes | Quick Copy (Systems & Files Copy), All Partition Copy, Whole Device Copy, Percentage Copy | |
| | Compare Function | Bit-by-bit data comparison | |
| | Sanitization Modes | Quick Erase, Full Erase (NIST 800-88), DoD Erase and Secure Erase | |
| Special Features | Log Report Management | Log report .txt file can be generated via USB port and saved to USB device | |
| | PC Monitoring | Download Source Image from PC | |
| Compatibilities | Compatible Devices | NGFF (M.2): 2230, 2242, 2260, 2280, PCI-e SSD (full and low profiles) | |
| | Compatible Devices (with required adapter) | SATA HDD/SSD, U.2(SFF8639) | |
| | Supported Formats | Quick Copy: FAT16/32/64, Windows (NTFS), Linux (Ext2/Ext3/Ext4), and Mac (HFS, HFS+,HFSX) | |
| | | Whole Device Copy: All Formats, including proprietary formats | |
| | Supported O/S | All (Windows, Mac, Linux, and other stand-alone systems) | |
| Hardware specification | Power Supply | Universal Power: 115VAC or 230VAC, 50/60Hz | |
| | Working Temperature | 5°C ~ 45°C (41°F ~ 113°F) | |
| | Storage Temperature | -20°C ~85°C (-4°F ~ 185°F) | |
| | Working Humidity | 20% ~ 80% | |
| | Storage Humidity | 5% ~ 95% | |
| | Product Dimensions (cm) | 50 x 46 x 22.5 | |
| | Weight (kg) | 22.9 | |
| | Certifications | FCC, CE, RoHS | |

## Comparison Chart



### M.2 SSD Duplicator / Eraser Comparison Chart

| Series / Model | | PE | PE-H | PV | PX | | SP | |
|---|---|---|---|---|---|---|---|---|
| | | | | | PX400 | PX800 | SP101 | SP151 |
| Ports | | 1-5; 1-10; 1-15; 1-20 | | 1-11; 1-23 | 1-3 | 1-7 | 1-1 | |
| Speed (GB/min) | | 24.0 | 60.0 | 12.0 | 9.0 | 12.0 | 9.0 | 24.0 |
| Supported Protocol | | NVMe, SATA *(Auto Detect)* | | | | | | |
| Supported Interface | Direct | M.2 | | M.2 | M.2 | | M.2 & SATA | |
| | Through Adapter | U.2, SATA, PCIE, MAC PCIe SSD, BGA SSD | | PCIE, MAC PCIe SSD | PCIE, MAC PCIe SSD | | MAC PCIe SSD, PCIE, mSATA, CFast | |
| Cross-Signal Copy | | V | | V | V | | V | |
| Copy | | V | | V | V | | V | |
| Full Erase | | V | | V | V | | V | |
| Secure Erase | | V | | V | V | | V | |
| DoD Erase | | V | | V | V | | V | |
| Event Log Report | | V | | | | | | |
| SMART Info | | V | | Power Cycle, Power-on Hours, Temperature | | | V | |
| Image Management | | V | | | | | | |

*The Data Equipment Expert Duplication / Inspection / Sanitization*    www.ureach.eu

## Video



PE Series
M.2 NVMe and SATA
PCIe Duplicator
Copy Function