

Disclaimer

X-PHY® Dimension

- The width for the X-PHY M.2 2280 Engineering Sample is 25mm. For the Customer Sample that will be ready in Q4 2021, the width will be reverted to standard 22mm

Operating System

- X-PHY M.2 2280 Engineering Sample currently supports Windows with NTFS
- The next version of X-PHY that supports both Windows and Linux systems will be made available in Q3 2021. X-PHY users with the 1st ES version can then upgrade the X-PHY SSD using the User Application Tool.

X-PHY® Ransomware Detection

- X-PHY monitors the behavior of SSD and detects any malicious activity. To avoid false positive, it will take around 2 seconds for the ransomware to be detected. During this process, only several small files may have been encrypted before X-PHY locked up the drive.
- As the duration is too short, several small files might be simply renamed by the ransomware instead of being encrypted. The user needs to reboot the X-PHY to verify the file status.
- Recommend to simulate the usage in real world environment for ransomware detection.
For example,
Put more than 500 files with different formats (jpg, word, ppt, pdf, excel...) and different sizes (varied from 100MB to 10GB) into each partition.
- Disable bitlocker as X-PHY embeds the data encryption and key management function.

X-PHY® Cloning Detection

- Cloning detection is based on the read access pattern of the entire disk or individual partitions.
- Cloning detection will apply to cloning in sectors and not for the normal copying of files.

X-PHY® Physical Attack Detection and Rapid Purge

- This feature is for advanced user only. Please do data backup to avoid data loss due to mishandling.
- For new user, we suggest to keep the PC power on 24 hours before triggering this feature.