

Cyber-Defense with WORMdisk™ and CYBERdisk™ Technologies

Within laptops, desktops, servers, whether stand alone, in a hosted facility or in the cloud, every organization requires data storage. The demand for increased data storage capabilities continues to grow. Mandatory GDPR compliance is looming, and the news reports more sophisticated cyber-attacks daily. The attacks and attempts are not going to go away.

Use Secure Storage: Organizations need to use secure storage to comply with GDPR regulations and protect data from sabotage, manipulation, deletion, Ransomware, firmware viruses, data loss, disclosure, insider threats and other cyber-attacks. Secure storage must address all 3 of the NIST Risk Management Framework CIA Triad (Confidentiality, Integrity and Availability).



NIST SP 1800-11 Data Integrity Standard: The National Institute of Standards and Technology (NIST) National Cybersecurity Center of Excellence (NCCoE) develops guidelines for government and private institutions to help protect their systems and data from cyber-attacks and other destructive events. GreenTec WORMdisks are the standard building block for the NIST NCCoE SP 1800-11 Data Integrity Project to protect from Ransomware and Other Destructive Events.



DISA Tested and Validated: The Defense Information Systems Agency (DISA) provides data, systems and network security for the Department of Defense (DoD). DISA has tested WORMdisk and CYBERdisk technologies, and have validated that they perform as advertised. DISA has both confirmed and acknowledged that they were unable to change data protected by WORMdisks and CYBERdisks, even after repeated attempts, utilizing the most sophisticated hacking tools available to them.



Cannot be Bypassed – Always Active: WORMdisk and CYBERdisk technologies are the only hardware-level solutions with security at the lowest layer in the security stack, that ensure that no virus or malware initiated by a hacker or bad actor can penetrate the protection and security, affecting the data on the disk. CYBERdisk drives security is always active and travels where ever that disk goes. Regardless of operating system or user administrator permissions, data stored is truly secure from malicious malware. Plug-and-play GDPR compliance is simple and cost-effective.



Effective Security must be Simple and Transparent: WORMdisks are used like ordinary standard storage. With simple plug- and-play, users can drag-and-drop, maintain standard interfaces, standard file systems, file formats and applications. They are applicable to local, remote and or cloud-based storage use cases. They can be utilized as the D: drive, mount points, and can be network shared or deployed within a Cloud architecture.



Reduced Need for Special Cyber-Talent: When data is stored on WORMdisks, critical security staff and cyber- talent, as well as executive management, need not spend time worrying about that data because it cannot be sabotaged, manipulated, deleted, infected by Ransomware or other viruses. This not only reduces the number of cyber-staff required to maintain data & system integrity, but provides piece of mind that an organizations data is stored unaltered.



Saves Time and Reduces Media Consumption: After an initial virus scan of any data placed onto WORMdisks, there is No further need to virus scan that data again, as data secured on WORMdisks cannot be infected with any virus. Once backups have been completed utilizing best practices, there is no need to backup that data any further, since it will not change. There are no license fees or system patches required since security is implemented in the hardware.



Trusted by Many Organizations: WORMdisks and CYBERdisks are used currently by several agencies of the Federal Government as well as State and Local Governments, banks, broker dealer firms, mortgage firms, hospitals, credit unions, Exxon-Mobil, Alcatel- Lucent, T-Mobile and many other organizations. Provides compliance with GDPR, California regulation 2729, Oregon 863-015-0260, DoD 5015.2, HIPAA, SEC 17a3-17a4, FINRA and other regulations to ensure data protection.



Small, Medium and Large Scalability: WORMdisks are available as small as a single 500GB unit, can scale up to 4.1 Petabytes in a single rack, and effectively can be deployed to provide unlimited amounts of storage when hosted on premise or within a cloud ecosystem. Regardless of your organization's size or data demands, there are WORMdisk solutions that fit your needs.



Cost-Effective: WORMdisk deployment lowers cost, saves time, and secures an organization's reputation, while mitigating loss of data, reducing risk due to cyber-malware attacks and providing undefeatable data defense that requires no special skills. WORMcloud™ solutions provide safe, simple, customer-controlled data with AWS, Azure, Google or other cloud service providers.

