

# TOP 5 REASONS WHY QUANTUM TAPE LIBRARIES ARE THE MOST SECURE

## INFOBRIEF

Quantum Scalar® Tape Libraries are the most secure tape solution for protecting and recovering your data on the market because they offer more than a traditional offline tape solution. Scalar Libraries have been hardened to stay ahead of current and future threats of ransomware with strengthened password protection and data security. Prevent and recover your data from ransomware by leveraging your Quantum Scalar Library investment as insurance instead of negotiating with hackers. Here are the 5 top reasons why Quantum Tape is the most secure.

### 1 Ransomware Protection and Recovery

Quantum's unique Active Vault software—only available in Scalar Tape Libraries—enables you to keep an ultra-secure, air-gapped copy of data, allowing you to build on tape's inherently secure offline nature with a totally offline vault within the library itself, creating a secure "ransomware-free" partition where tapes reside. The automated, in-library vaulting feature cuts out the complexity of manually handling tapes or transporting them, which greatly reduces the chances of tape loss and damage both digitally and physically.

### 2 Data Integrity

Data must be verified to ensure recoverability and being proactive is important in a solid data protection plan. With extended data life management (EDLM), you can ensure data is unchanged and remains readable with automated integrity checks. Advanced reporting enables media, drives, and security reports to balance system resources, improve security, and improve budget and planning. Automated report scheduling and distribution save time.

### 3 Password Protection and Security

With multi-layer authentication, you can protect the library's admin account with an additional layer of security through a time-based, one-time password that allows you to bring back data through the web GUI or library panel.

### 4 Military-Grade Encryption and Automated Encryption Key Management

The Scalar Key Manager FIPS-validated solution makes it easy to manage keys, mitigating risk of lost data. AES 256-bit encryption standard provides the highest levels of security.

### 5 Proactive Monitoring and Diagnostics

Proactive monitoring and diagnostics ensure the entire system stays running smoothly by providing guided steps to resolve issues before failures occur. In addition, with our cloud-based analytics, it allows you to gain insight into your system with real-time monitoring and predictive issue resolution tools.

## Prevent and Recover from Ransomware by Leveraging Scalar Tape Libraries

Hardened security features on Scalar remove the challenges of managing tape and remove weak points with the administrator account. Securing your data with the strongest air-gap capability found in the Quantum Scalar Tape Library will help you recover your data while protecting your organization from having to negotiate with malicious hackers.

To learn more about Quantum Secure Tape Libraries, contact your trusted Quantum authorized reseller, your Quantum representative directly, or visit our Scalar Tape Library page [here](#).

Quantum technology, software, and services provide the solutions that today's organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum's end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit [www.quantum.com](http://www.quantum.com).

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