superna®

DATA SHEET

Superna AirGap Protection

The Ultimate Safeguard Against Ransomware and Insider Threats

Immutable. Isolated. Secure.

Cyber threats are evolving, and traditional backup solutions are no longer enough. Attackers now target backup environments directly, encrypting or deleting recovery points to maximize damage. Unlike traditional backup solutions that focus solely on data retention, Superna AirGap actively defends against cyber threats by detecting, isolating, and securing critical data.

Superna AirGap automates data isolation, enforces immutability, and ensures your backups remain unalterable and clean—so you can recover with confidence, no matter what.

Key Benefits

- ✓ Protects backup data from ransomware and malicious insiders
- ✓ Ensures immutable, time-locked storage—no unauthorized access
- ✓ Automates AirGap enforcement with scheduled isolation
- ✓ Meets compliance standards (FIPS, NIST, GDPR, HIPAA)
- ✓ Seamless integration with Disaster Recovery and Data Security solutions
- ✓ Compatible with both file and object stores

Cybersecurity threats occur every 11 seconds

(Cybersecurity Ventures, 2024)

How It Works

1. **Vault Opens and Checks for Active Ransomware Events**: Prevents ransomware from being copied.
2. **Backup Data is Written and Verified**: Ensures a clean, recoverable copy.
3. **AirGap Automatically Activates Isolation**: Logically isolates data from production networks.
4. **Access is Strictly Time-Limited**: Prevents unauthorized deletion or modification.
5. **Recovery Uses Verified Clean Copies**: Ensures ransomware-free restoration.

Result: Attackers can't access, encrypt, or delete your most critical data.

Why Choose Superna AirGap?

Unlike traditional backup security measures, AirGap offers:

- ✓ **Zero Human Intervention**: Eliminates admin errors and insider risks.
- ✓ **Automated Scheduling**: Ensures regular, reliable data protection.
- ✓ **Secure Recovery**: Only clean, immutable copies are restored.
- ✓ **Storage-Aware Security**: Designed for Dell PowerScale and ECS environments.

Gartner Innovation Insight Report: Cyberstorage Traditional security layers alone **aren't enough** to combat modern cyberattacks. Cyberstorage adds a crucial **storage-level defense to mitigate ransomware and minimize data loss.** **Download the Gartner Cyberstorage Report** to discover how organizations are leveraging this breakthrough technology to stay ahead of evolving threats.

Superna AirGap + Data Security Edition + Disaster Recovery = Full Business Resilience

Superna AirGap is the next level of protection for organizations using Data Security Edition. While Data Security Edition detects and isolates threats, AirGap ensures backup data remains untouchable and immutable, preventing encryption or deletion. Together, they provide a proactive and reactive defense against ransomware and insider threats.

$1.9M
Average daily cost of ransomware downtime for healthcare organizations

$21.9B
Estimated total annual losses due to downtime

24 days
Average downtime caused by ransomware attacks

Why Add AirGap to Data Security Edition?

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- ✓ **Ensures ransomware-proof backups**: Stops attackers from compromising recovery data.
- ✓ **Automates backup isolation**: Enforces time-locked, secure storage to protect against threats.
- ✓ **Achieves compliance with FIPS, NIST, GDPR, and HIPAA**: Simplifies regulatory adherence.

For full cyber resilience, pair AirGap with Superna Disaster Recovery Edition:

- ✓ **Ensures uninterrupted operations**: Disaster Recovery Edition automates failover and failback, keeping businesses online.
- ✓ **Instantly restore clean, immutable backups**: Minimize downtime and prevent re-encryption of recovered data.
- ✓ **Prevents reinfection after recovery**: Guarantees clean data restoration by verifying AirGap-protected backups.
- ✓ **Automates compliance reporting**: Ensures regulatory alignment with built-in audit logs.

Compliance & Regulatory Standards

Superna AirGap helps organizations stay compliant with industry regulations & cybersecurity frameworks:

- ✓ **FIPS**: Federal Information Processing Standards
- ✓ **NIST**: National Institute of Standards and Technology
- ✓ **GDPR**: General Data Protection Regulation
- ✓ **HIPAA**: Health Insurance Portability and Accountability Act

Deployment & Integration

- ✓ **Plug & Play Integration**: Works with existing backup & disaster recovery platforms.
- ✓ **Cloud & On-Prem Ready**: Supports hybrid and multi-cloud storage.
- ✓ **Fully Automated**: No manual intervention required.

Get Started with Superna

Schedule a Demo | Speak with an Expert

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