Vynamic® Security BIOS Password Management

Avoid Compromising Security with Proper BIOS Governance.

Ensure Your Devices Are Properly Secured With Proven Tools and Governance

In the retail banking industry, overall ATM security continues to grow as the threat of both external and internal fraud to escalate. Yet many financial institutions trust the out-of-the box settings which can leave their self-service fleet vulnerable. In fact, it has become customary for many to keep the default passwords or share passwords with the technical teams so that they have access when required. These practices can lead to issues with PCI compliance; or intentional or accidental fraud, which can be even worse.

Vynamic Security BIOS (Basic Input/Output System) Password Management is a vendor-agnostic centralized solution that enables single or multi-device remote changes of the BIOS password securely without physical access.

FEATURES & BENEFITS

- Compliance-Driven Governance: aligns with PCI DSS 4.0 standards to ensure password policies meet regulatory requirements.
- Service-Aware Renewal: supports password renewal following service interventions, maintaining device integrity.
- Secure Authentication: ensures BIOS access credentials remain protected, traceable, and trustworthy.
- Multi-vendor Compatible: can be utilized on all PC–based devices with Intel® Active Management Technology (AMT) BIOS management, including ATMs, POS and self-check-out devices.
- Changes can be applied partially or on the whole fleet.
- Support UEFI: not limited to traditional BIOS, but also support new cutting-edge technology of UEFI (Unified Extensible Firmware Interface).

SECURE, REGULAR PASSWORD MANAGEMENT

In order to enhance the security of your terminals, setting and regularly updating the BIOS passwords keeps the integrity of the boot process and ensures that nobody can boot from removable devices or change BIOS or UEFI settings without being authorized. Vynamic Security BIOS Password Manager:

- Enables initial BIOS Password set up and configuration to follow PCI DSS requirements.
- Can schedule all or partial device network for regular BIOS password updates (example every 90 days).
- Utilizes Intel Active Management technology or Diebold Nixdorf's specific BIOS tool (EPC) to change BIOS passwords remotely.
- Secure TLS connection between the solution and the terminal by using automatically generated certificates from a root one.
- Change BIOS passwords on demand or on a scheduled basis.
- Secure generation of random and encrypted passwords.
- Automatic password reset after field engineer visit.

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CREATE TEMPORARY PASSWORDS

During troubleshooting and maintenance, access to the BIOS is sometimes required by the field engineer. With Vynamic Security BIOS Manager, a temporary password can be created and activated for those terminals that require access.

- A temporary password can be generated on demand and sent to field engineer by an authorized user.
- Can only be used once and it is immediately changed once work is completed.
- Passwords are randomly created and encrypted for increased security.

ADDITIONAL SOLUTIONS UNDER VYNAMIC SECURITY

- Vynamic Security Hard Disk Encryption protects against offline threats and protects data so it cannot be tampered or stolen
- Vynamic Security Intrusion Protection enforces Least Privilege and protects against zero-day threats as well as provides protection from USB-based attacks
- Vynamic Security Access Protection facilitates password-less authentication, user management and Operating System and platform hardening

WHAT IS DN VYNAMIC?

Vynamic Software is a powerful software portfolio that enables financial institutions to eliminate friction to transform the user experience and the operation. Flexible and adaptable, DN Vynamic Software is built to align with how financial institutions operate and are bundled to support the modern banking environment including channels, payments, engagement and operations.

Ensure proper BIOS governance across your entire network: harness the power of the Vynamic Security. **Talk to your Diebold Nixdorf Representative today.**