Phoenix FirmGuard™

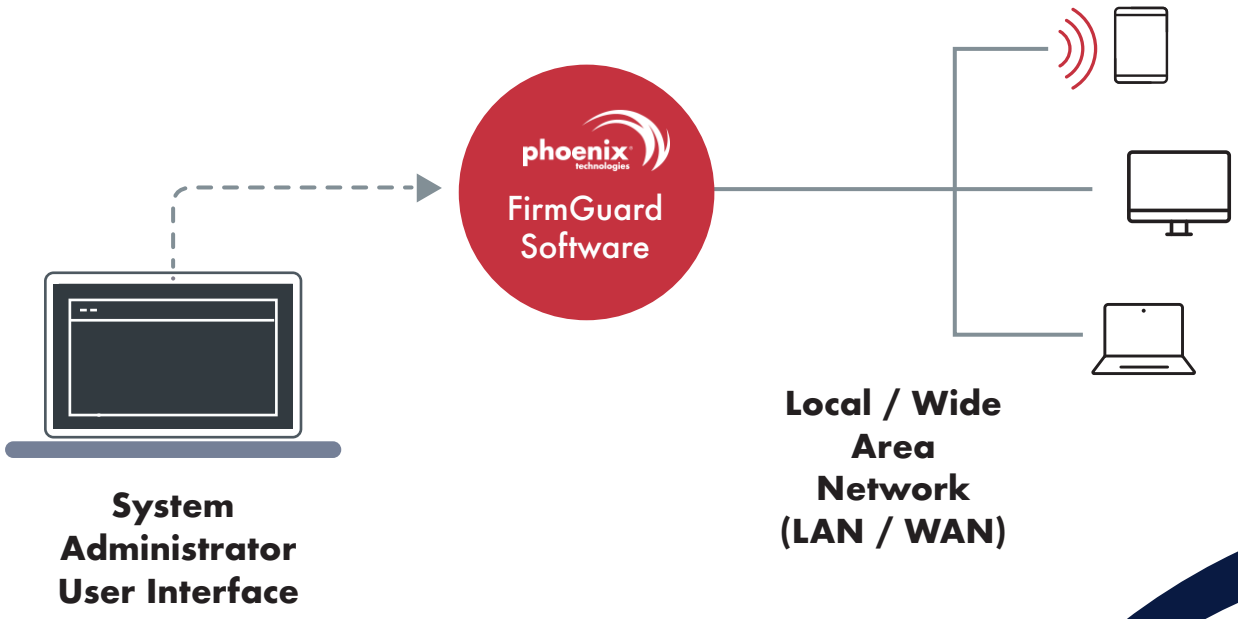
ENTERPRISE FIRMWARE SYSTEM MANAGEMENT

What Is Phoenix FirmGuard?

Phoenix FirmGuard gives IT and system administrators (SAs) the ability to remotely manage the Phoenix SecureSuite™ firmware security tools across all devices running Phoenix firmware or endpoints that have SecureSuite installed but without Phoenix firmware (excluding SecureCheck - see below). This helps administrators improve device management, device security, and overall cybersecurity by deploying these capabilities across enterprise network devices like desktops, laptops, servers, and more.

How Does It Work?

Phoenix FirmGuard gives administrators access to an intuitive user interface (UI) to remotely track and operate SecureSuite programs. SecureSuite comes pre-installed on devices with Phoenix firmware or SecureSuite can be installed later on certain devices with Phoenix or non-Phoenix firmware. SAs can select which program they want to run on each device from the UI and lock users out as needed.



What Is Included?

SecureWipe™

SecureWipe gives administrators the ability to remotely wipe the memory of non-volatile storage devices across the enterprise at the firmware level. These include SSD, NVMe, HDD, SED, and other mass storage devices. This type of wipe is much more extensive than the complete "wipe" that can be completed by the operating system (OS). SecureWipe can be used for wiping devices that need to be recycled or reused after an employee leaves, for wiping a device that has been misplaced, or for end-of-life to ensure no sensitive data is leaked.

Drives can be wiped to multiple security standards:

- ATA and NVMe Secure Erase
- OPAL Password/PSID Revert
- US DoD 5220.22-M, [3 passes + verify]
- Single Pass Zeros, [1 pass]
- US Navy & Air Force, [3 passes + verify]
- British HMG Infosec Standard 5, Enhanced, [3 passes + verify]
- German VSITR, [7 passes]
- Russian GOST P50739-95 Level 1, [1 pass]
- Russian GOST P50739-95 Level 4, [1 pass]
- RCMP TSSIT OPS-II, [7 passes]
- CSE Canada ITSG-06 (Unclassified), [3 passes]

SecureKey™ (Previously PassKey)

SecureKey ensures firmware-enforced protection for enterprise devices using a physical authentication device (passkey). It protects devices against unauthorized access by only allowing the operating system to start and login when the appropriate passkey has been detected and validated.

SecureKey can be used with the following:

Supported Devices (Running Phoenix Firmware)	Supported Authenticators
• Windows-based PCs • Mac OS Devices • Linux-based devices	• Smartphones • USB thumb drives • Bluetooth Low Energy (BLE) devices • FIDO compliance devices • Custom passkey devices

FirmGuard allows SAs to enable or disable SecureKey remotely and gives them the ability to remotely lock a device from any user until it is re-enabled.

SecureCheck™

SecureCheck revalidates the chain of trust in connected devices to ensure secure operation by establishing that the correct OS version is running and by confirming the root of trust between hardware, firmware, and OS. Once a scan is complete, the device notifies the SA of red or green light status. Then, based on the recommendation provided by FirmGuard, the SA can take further action as needed, whether that's a remote restart or taking steps to isolate the device. Regularly re-establishing the root of trust is vital for device and enterprise security. FirmGuard makes it easy for SAs to ensure this process is completed regularly with monthly, bi-monthly, or custom pre-scheduled scans.

Note: This feature cannot be added to devices running non-Phoenix firmware.

SecureClone™

SecureClone allows SAs to duplicate hard drive contents to a different system location for future forensic analysis. It can even capture the device system configuration settings and password protect the hard disk copies. With additional approval, contents can also be downloaded onto a local USB key. This is particularly helpful when SAs find a device that has become unresponsive or corrupted or if a remote user needs to recover "lost" work.

Want to learn more about Phoenix FirmGuard?

Send us an email at firmguard@phoenix.com

phoenix technologies