

Phoenix TrustedCore™ Embedded

Core System Software for a World of Seamless Computing



Security and asset management for networked embedded devices

The digital world is connected today as never before. But with growing threats and increasingly complex interconnected computing assets, organizations of all sizes must have the tools to easily manage and secure computers, applications and data on the network. Only Phoenix TrustedCore provides a complete product suite for the manufacturer, OEM and system builder spanning computer firmware, development tools and managed applications designed for the future. Phoenix products are modular, easy to deploy and easy to use — while protecting operating systems, applications, critical data, and even themselves from threats.

Phoenix TrustedCore Embedded is firmware for trusted embedded networked devices.

It goes far beyond traditional stand alone BIOS to provide the features necessary to manage and secure today's connected devices. It is the only core system software solution with built-in protection against malicious attacks and accidental damage to the factory-installed system software image.

Phoenix TrustedCore Embedded is optimized for the networked embedded systems market. It supports the full range of embedded systems from embedded PCs to embedded infrastructure platforms including ruggedized devices and emerging embedded blade technologies. Combined with Phoenix TrustConnector™, it offers a strong public key encryption security kernel capable of protecting the core system software, managed application environment, operating system and applications.

Phoenix TrustedCore Embedded includes support for a protected application area, designed for storage of embedded management and recovery applications. In combination with the built-in security kernel, the environment is protected from malicious attack or accidental mischief. Phoenix TrustedCore Embedded supports authentication of both Phoenix FirstWare and certified partner applications, enabling Phoenix manufacturing, OEM and system builder partners to deliver a complete and secure execution environment for built-in utilities and applications.

Available as a perfect compliment to TrustedCore, Phoenix CoreArchitect is the most advanced graphical design tool for core system software. Built on Microsoft Visual Studio .NET, Phoenix CoreArchitect provides a visual development environment that reduces deployment time and improves software quality.

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Key benefits for manufacturers, OEMs and system builders

Differentiate and increase product visibility — Build desirable customized systems that exceed customer expectations for security and management. The quality and flexibility of Phoenix technology helps you lead the market with meaningful, value-added products.

Increase revenues — Develop and sell more secure, reliable products, and take those products to market faster with more inherent value than competing products. Phoenix TrustedCore Embedded supports a broad range of the most popular silicon, and it works with the advanced design tool, Phoenix CoreArchitect to help speed your time to market.

Reduce costs — With secure Phoenix FirstWare and certified cME partner applications, deliver greater customer convenience and reduced manufacturing and support costs.

Phoenix TrustedCore™ Embedded

A complete product suite

Core System Software

Phoenix TrustedCore Embedded — It is the premier core system software solution for networked embedded devices, from embedded or industrial PCs to SBCs. Phoenix TrustedCore Embedded delivers a complete core feature set complemented with unique enhanced security and management capabilities.

Development Tools

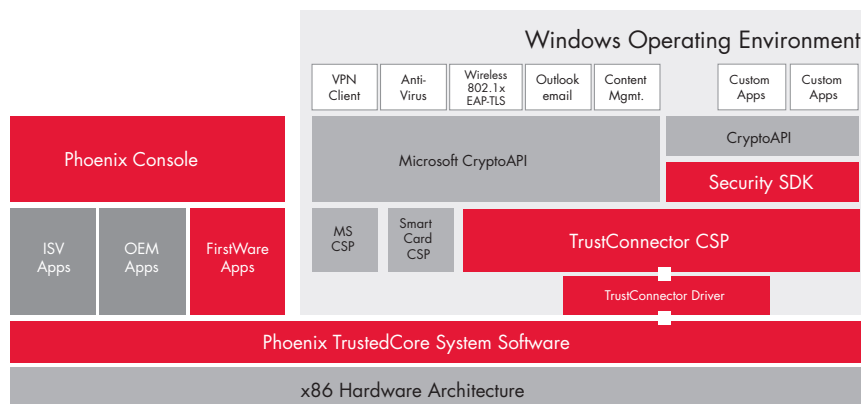
Phoenix CoreArchitect — This is an advanced core system software graphical design and development tool built on the Microsoft Visual Studio .NET environment.

Security API and Software Developer Kit (SDK) — It makes it possible to build utilities and applications using the public key encryption technology built into Phoenix TrustedCore Embedded.

Value-add Extensions

Phoenix TrustConnector — It integrates Phoenix TrustedCore capabilities to the Windows CryptoAPI, enabling organizations to integrate applications, credentials and data to the security features of the managed desktops.

Phoenix FirstWare and Certified Partner Applications — They deliver value-added management and recovery tools. You may submit your own tools for certification.



The perfect combination of trust and usability. Phoenix TrustConnector and Phoenix TrustedCore Embedded are optimized to work together, storing critical user information safely at the core of the device.

Summary:

Unique to TrustedCore

Security

- Pre boot user authentication
- Boot block lockdown
- TCG 1.2
- Secure silicon

Time to Market

- CoreArchitect 2.0 support with drag and drop feature and automatic code creation
- EFI 1.1 compliant

- Phoenix StrongROM 3.0
- TrustedCore public key crypto engine
- Phoenix TrustConnector
- Phoenix application environment
- Absolute ComputracePlus™
- USB UMB elimination
- PCI OPROM optimization
- PCI memory space optimization
- Pre-OS quick boot

Management

- Console redirection via serial port
- One to many CMOS update via PXE LAN boot
- ASF 2.0 with extensions
- ACPI 3.0

CPU and Memory

- Hyperthreading support
- Support for more than 4GB RAM
- ECC memory support
- Ultra fast POST memory test
- Dual CPU

Boot Options

- Phoenix Multiboot XP
- Hi-speed USB2
- PCMCIA secure digital

Advanced Storage

- Serial ATA
- 48-bit LBA (volumes > 133GB)
- 8-drive support
- ATA RAID support

Deployment

- Secure Flash for Windows and Linux
- Designed for 4MB (512K) Flash ROM or larger

For the latest technical specifications visit us at www.phoenix.com

Phoenix @ the Core

Phoenix Technologies develops a complete product suite of Core System Software, tools and applications to deliver trusted, seamless computing to digital devices for an Internet-connected world. Phoenix Technologies helped launch the PC industry over 25 years ago. Today we are extending our leadership and knowledge at the core of machines, beyond the PC to a wide range of platforms and devices.

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