

# SecureCore Tiano



## Modular and extensible BIOS for Notebook and Server systems

Common Firmware Platform for chipsets reduces development costs

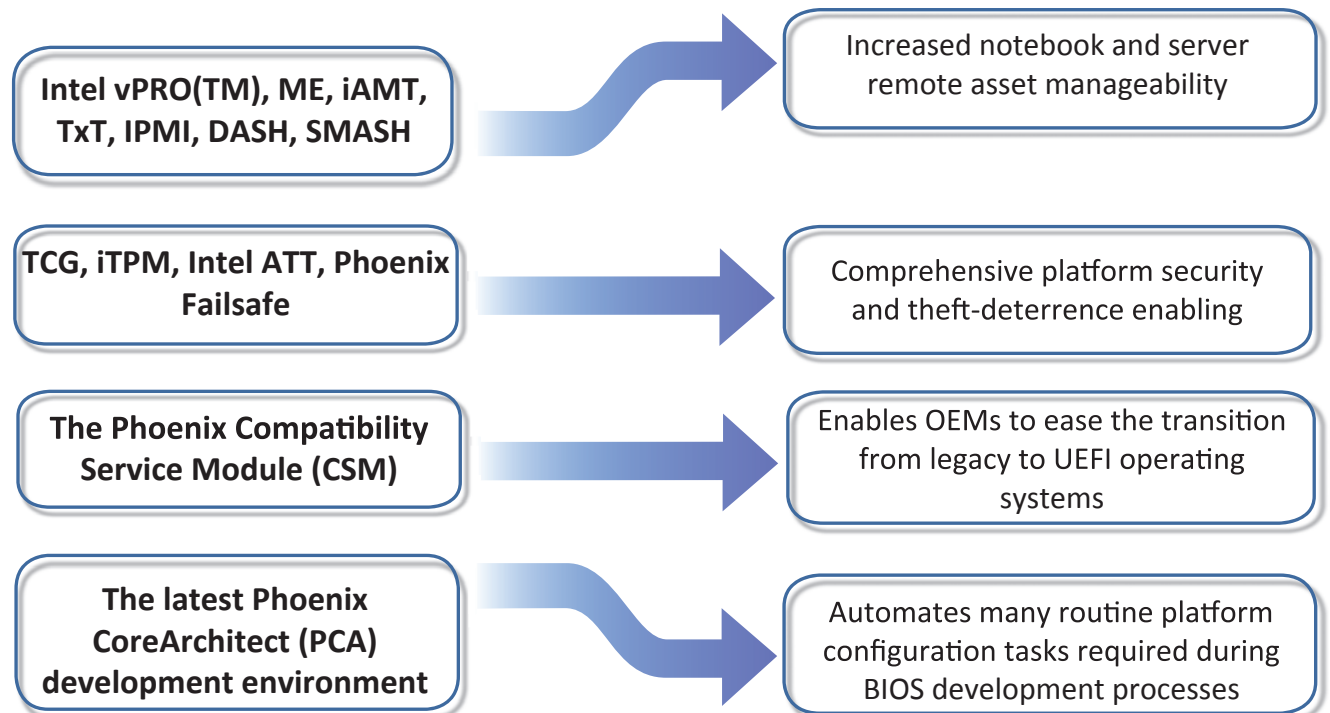
Faster driver integration speeds the time-to-market

Bridge the gap between traditional and new technologies

**SecureCore Tiano** is the latest in Phoenix's principal core systems software offering, SecureCore that fully supports the Intel Platform Innovation Framework delivering an ideal solution for manufacturers of notebook and server systems. SecureCore Tiano's rich set of features along with powerful development tools provide a complete solution for all Original Equipment Manufacturers (OEMs) and Original Design Manufacturers (ODM) interested in transitioning from legacy BIOS implementations and drivers to more efficient and modular UEFI standard drivers and plug-ins.

**SecureCore Tiano** is designed to support industry leading chipsets and CPUs, and a wide range of third-party peripherals supporting UEFI/Framework drivers, fully leveraging the silicon vendors' chipset validation efforts. SecureCore Tiano and Phoenix CoreArchitect deliver the latest innovations from Phoenix to accelerate the industry's transition to the UEFI/Framework.

### The SecureCore Tiano architecture includes:



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## SECURECORE TIANO KEY FEATURES

### MANAGEABILITY

- Intel vPro, ME, AMT, TxT
- ASF 2.0
- Console redirection
- IPMI
- DASH
- SMASH

### INTEROPERABILITY

#### OPERATING SYSTEM SUPPORT

- Vista SP1 64-bit UEFI
- Windows Server 2008
- Server 2003, XP, DOS
- Linux

### COMPATIBILITY

- Phoenix CSM
- Legacy Free HW Support

### RELIABILITY

- Hardware Detection & Initialization
- Crisis Recovery
- SMBIOS 2.5
- Error Reporting
- BIOS watchdog timer
- ECC
- WHEA

### USABILITY

- Extended OPROM Support
- 48-bits HDD support
- On-screen branding
- Configurable Splash Screen
- Boot Configuration
- Multi-language Support

### SECURITY

- TCG, iTPM
- OEM Activation 2.0
- Microsoft BitLocker™
- BIOS Flash tools
- Hard Disk Password
- Multi-level Password
- Pre-boot Authentication

### CONNECTIVITY

- PXE Boot-over-LAN
- Unique Device ID
- MAC Address Support
- Boot-over-Internet
- Headless Device Control

### INDUSTRY STANDARDS

- UEFI 2.0/2.1
- PCIe
- USB 2.0
- ACPI 3.0
- ATA8, SSD
- BIOS Boot Spec

### PERFORMANCE

- Fast Boot/Resume
- Multi-Processor/Core CPU
- Hyper-Threading
- Power Management



### SIMPLICITY

- Debug & Deployment Tools
- Drop-in silicon Support
- Flexible Design Options
- Manufacturing Support
- Platform Config Options
- SecureCore Porting guide

### SUPPORT FOR PHOENIX LAYERED APPLICATIONS

- Failsafe
- HyperCore/HyperSpace



Phoenix Technologies Ltd.  
915 Murphy Ranch Road  
Milpitas, CA 95035 USA  
408.570.1000 main  
408.570.1001 fax



's-Hertogenbosch - Den Dungen - The Netherlands

## Your PC and Communication Technology Partner

Eltan is a European advanced engineering services company and the “core” competence is PC and Communication technology. Eltan provides specialized high-quality engineering services for hardware, Bios and operating systems as well as complete system solutions.

Eltan is a Master distribution and development partner from Phoenix Technologies. Our engineers have experience and implemented Phoenix products since 1988. Eltan customizes the BIOS code of Phoenix to the customer hardware platform and offers object and source code license agreements fit for industrial and embedded suppliers. Eltan offers these development, engineering and customization services for Phoenix SecureCore Tiano, SecureCore, Embedded BIOS, Phoenix Award Bios, Phoenix GenSW BIOS, UEFI and full legacy compliant. Eltan engineers have implemented hundreds of customer specific BIOS-based features. To name some: Console redirect, ACPI, Security, pre-boot communication, Boot from SD, USB and 1394.

Eltan designs and brings leading edge hardware to production. Eltan is specialized in designing customer specific boards based on x86 technology. Eltan covers the Intel, AMD and VIA Technologies standard and embedded processor lines. This includes Embedded Controller and FPGA combined hardware and software solutions. Some examples of products are: Motherboards (Industrial, embedded, and regular), Information Appliances, PC on a Chip based board solutions, Server blades, Network switches. Eltan's expertise ensures a planned and controlled design cycle enabling successful production startup, approvals & certification and meeting your planned time to market.

Eltan supports you with Operating systems and Driver development for Microsoft Windows CE, XP, 2000, Vista, Windows 7, Server 2008 and Linux. Eltan's experience with File System Filter Drivers, Boot loaders (e.g. for Windows CE), Hardware Device Drivers, Filter Drivers and Operating System Configuration improves your time to market and will reduce the overall project cost

Eltan offers licensing and engineering support for the Phoenix family of products. These products are targeted at board and system manufacturers and reduce support cost and add value to the customer's products. Based on the in house BIOS expertise and the Phoenix Partnership Eltan provides engineering services to create Bios Protected Applications.

Eltan reduces your time to market for industrial, consumer electronics and Information Appliance products. Eltan offers licensing and engineering support for the software as well as hardware and system engineering.



**ELTAN B.V.** - Het Schild 13 - 5275 EB Den Dungen - P.O. Box 29 - 5275 ZG Den Dungen - The Netherlands  
Tel: +31 (0)73-5944660 - Fax: +31 (0)73-5941187 - E-mail: [info@eltan.com](mailto:info@eltan.com) - WEB: [www.eltan.com](http://www.eltan.com)  
Kvk: 1810499 - BTW / VAT no: NL807380507B01 - Bank: 51.32.90.583 ABN-AMRO