SECURECORE TIANO™ REDUCES TIME-TO-MARKET AND COST

Innovation at the CORE ™

Phoenix SecureCore Tiano™ is a new, advanced implementation of the industry-standard Tiano architecture that is UEFI compatible and is the finest implementation of Tiano in the world.

When an OEM or ODM customer creates a new design, it is sent to fabrication and stuffed with components. As soon as the stuffed board returns, the time-to-market (TTM) clock starts—the sooner the design can be proven to be correct, the sooner it can be shipped to customers. Phoenix's SecureCore Tiano offering reduces time to market and cost in the following ways:

- Best Customization
- Modular Architecture
- Highest Reliability
- Best Power-on Experience
- Compliance with GreenH and UEFI

BEST CUSTOMIZATION

SecureCore Tiano reduces time to market and OEM/ODM costs by offering the best customization experience of any other firmware. Customization is the engineering process by which a BIOS, together with standard silicon modules, is adapted to a specific board, with features configured or customized as necessary to implement the customer's behavioral policies. An example of this work would include writing the ASL for the platform to support the operation of an embedded controller, or supporting a Super I/O part.

As the next generation of cores emerges, engineers working with SecureCore Tiano will be required to manage even more complexity at the hardware level, and even more features, including those from third parties. SecureCore Tiano enables you to have the flexibility of managing complex systems without addressing every last detail of the thousands of options or writing lots of code.

MODULAR ARCHITECTURE

Although based on Tiano and compatible with the latest UEFI standards, SCT incorporates the world's most productive build environment that supports multiple projects and versions of those projects within the same directory tree. Its solid organization, both architecturally and in the SDK's development tree, provides a fifteen-year architecture that customers can count on to lead their industry with highly competitive products

Phoenix customers have access to the most sophisticated and comprehensive solution for innovation encompassing the entire development cycle. Our SecureCore Tiano product, along with our leading edge tools framework can help businesses by:

- Cutting customer time to production
- Lowering costs
- Facilitating an environment of innovation for OEMs and ODMs.

Our customers will have more time to focus on innovation and differentiation.

HIGHEST RELIABILITY

SecureCore Tiano provides an insulating layer above the Foundation (Green H) that keeps potentially errant plug-ins and adaptation code from incorrectly calling the Foundation's services. The result is highly reliable code that works every time.

- SecureCore Tiano offers Phoenix customers the most reliable firmware in the world, where reliable means "no unexpected or unwanted behavior." This can include unexpected crashes and slow booting, but it goes beyond that to handle the details of what is going on, without forcing the user to start second-guessing the system. This is what Embedded Simplicity is all about.
- SecureCore Tiano will not expose its inner workings to end users except when Phoenix OEMs explicitly do so at their own risk.
- SecureCore Tiano won't boot the same way 99 times out of 100 and force the user to do something different on that 100th boot.
- SecureCore Tiano won't hang when hardware is turned off or is missing, and it will not try to boot something that the user doesn't want it to boot. For example, just because an iPod is plugged into a USB port doesn't mean that SecureCore Tiano should try to boot from it, as do many desktop PCs today.
- SecureCore Tiano won't have dramatically different response times or bad response times for different user-level options.
- SecureCore Tiano will even attempt to smooth over behaviors traditionally thought to be outside the realm of BIOS, including making Windows work better, handling hardware when it starts to fail, and getting smart about data security and hardware security.

SecureCore Tiano will just work, always.

BEST POWER-ON EXPERIENCE

SecureCore Tiano also offers the best power-on experience for customers. Power-on is the engineering process by which a new engineering board from a silicon vendor or customer is brought to life with its first electricity. After electrical tests are performed, the BIOS vendor provides the initialization code that runs on the board to allow the silicon vendor's team to validate the proper operation of the hardware.

COMPLIANCE WITH GREEN H AND UEFI

SecureCore Tiano can improve the efficiency of your operations because it is both fully Green H compliant and fully UEFI compliant. It uses the pristine version of the Intel MPG Green H, including variations that Intel may supply in the future.

And SecureCore Tiano follows the industry's UEFI standards, including PI standards. Intel will evolve the Green H over time, and as it does, SecureCore Tiano will always track it. Customers will be assured they are always working with the right version of the Green H when they work with SecureCore Tiano.

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