

Biometric Authentication

In recent years, biometric authentication has proliferated in a range of domains, servicing anti-terrorism initiatives, such as secure ID cards and Visas, as well as corporate and consumer bio-logon and bio-authentication applications.

Typical implementations employ a variety of authentication means and technologies, all of which are primarily geared towards offering users a secure and convenient alternative to the use of passwords.

But how about doing more than that? What if authentication technology existed that could allow users, even as they are being accurately identified by biometric means, to benefit from far greater functionality? Well, such technology actually *does* exist, and it leverages biometric authentication to deliver a broad range of innovative, user identity-aware applications today.



Authentication Technology unlike Any Other

IDesia is proud to introduce its state-of-the-art BDS™ (BioDynamic Signature™) technology, enabling access control that doesn't require users to choose between security and convenience. This technology is based on the fact that while individual heartbeats may appear similar, they conceal individually unique information. The company's range of bio-logon and bio-authentication solutions extract this information via proprietary signal processing, patented pattern recognition algorithms and cardiologic waveform matching, enabling fast and reliable user authentication.

Following a short and effortless enrollment process, IDesia's spoof-resistant technology effectively secures personal computers, PDAs, mobile phones, USB flash drives and even smart cards and credit cards, restricting access to their true owners. Authorized users need merely touch passive sensor contacts to capture their unique biometric data and log in conveniently, securely, reliably and with complete confidentiality.

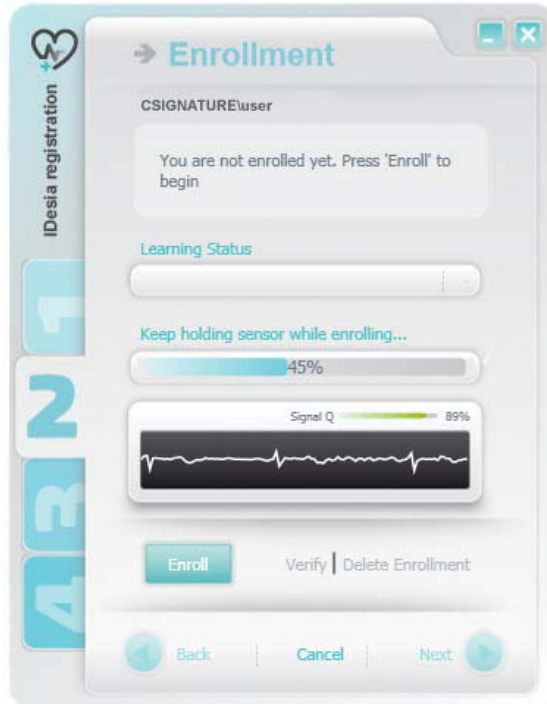
Going beyond People Identification

With powerful heartbeat identification and analysis algorithms at its core, IDesia's BDS™ technology is capable not only of identifying users by their individually unique heartbeat information, but also of storing and utilizing this information as the basis for a broad range of user identity-aware applications. The company's initial applications are focused on personal health, fitness and well-being. They effectively constitute the only offering of its kind that can simultaneously recognize users' identity, then determine and potentially help improve their general physical health. More information on IDesia's consumer healthcare offering is available in the company's biometric healthcare brochure.

IDesia Biometric Authentication Benefits

- Highly reliable, unobtrusive, fun and easy to use
- Truly compelling and captivating user experience that encourages users to rely on biometrics in a broad range of applications
- Based on a dynamic, intrinsic signal that inherently ensures "proof of life" and cannot be spoofed
- One-of-a-kind, single-chip "all in one" biometric solution
- Simple, low-cost integration and fast time-to-market
- Uniquely compact form factor and ultra-low power consumption
- Highly durable – suitable for use in any environment

A Fully Featured Suite of Cost-effective Biometric Authentication Applications



IDesia offers a comprehensive portfolio of a range of low cost biometric security chips for high volume mass-market applications. To deliver immediate value, the company's embedded offering is provided with a starter suite of bio-logon and bio-authentication applications out-of-the-box. Further applications are under development and will be made available for download from the IDesia Web site.

Windows Login

Utilizing either embedded or detachable USB BDS™ sensors, this IDesia application enhances security without compromising convenience.

All you need to do is enroll and authenticate your Windows password. No more cumbersome typing of passwords or multiple, erroneous fingerprint swipes – simply touch the passive sensor contacts when prompted and you're in!

Oh, and if you insist, you can always type in your password to log in, too.

Screen Saver/System Lock

Feel free to step away from your PC with complete confidence.

When you lock your computer or the Windows screensaver happens to fire up, IDesia's Screen Saver/System Lock application will immediately kick in to keep unwanted visitors out.

Ready to resume work? Simply touch the IDesia sensor contacts and gain access in a heartbeat.



File Protector

IDesia's File Protector application seamlessly blends into Windows to allow you to protect individual files with your unique heartbeat-based biometric ID.



Simply right-click any file in the Windows file explorer and select "IDesia protect" from the context menu to lock the file.

At this point, you may choose to secure the file by typing in your Windows password. Alternatively, hold IDesia's touch sensors and File Protector will immediately proceed to protect the chosen file with your unique biometric ID.

Need to access your valuable information again? Simply choose "IDesia Unprotect" from the context menu and hold the touch sensors to unlock the file.

Stay Tuned for More...

IDesia is committed to further developing and enhancing its BDS™ technology-based biometric and healthcare offerings, with new and exciting applications to be made available for download from its Web site. Products in the works include biometric-encrypted USB flash disk and portable hard drive protection, biometric-secured Internet browser transactions and many more!

Form Factors to Fit All Form Factors

Passive biometric sensors may literally be painted onto the smallest of surfaces, enabling effortless embedding of bio-logon and bio-authentication capabilities not only in notebooks, PDAs, cell phones and portable flash drives, but even in the slimmest of smart cards and credit cards. To facilitate seamless integration, IDesia provides a full biometric chip support package comprising an open API, customized SDKs and hardware implementation reference designs.

Making the best of existing contact and contactless smart card infrastructure, IDesia utilizes "live" biometric signal authentication to ensure complete data security and prevent identity theft. Fully integrated, 'all-on-board' security enables signal acquisition, processing, template matching and authentication to all take place within the card being used. No need for external biometric readers, databases or processing systems.





About IDesia Biometrics

IDesia was founded in 2004 to develop and market BDS™ (BioDynamic Signature™), the company's state-of-the-art technology enabling a broad range of biometrics-based, user identity-aware applications. IDesia's current application offerings are focused on bio-logon, bio-authentication, personal health, fitness and well-being.

Utilizing electro-physiological signals unique to individual users, BDS™ technology enables highly accurate and effective access control, consumer healthcare and other applications that are fully aware of their users' identity and can easily be implemented in a broad range of mobile handsets and personal computing platforms.

IDesia's solutions present greater value, reliability, ease-of-use and cost-effectiveness than comparable offerings, facilitating high user compliance and supporting powerful personalization options.

With vast expertise in physiology, microelectronics, medical devices and security applications, and strategic cooperation with global, top-tier ODMs and OEM hardware manufacturers, IDesia is fully set to revolutionize people identification, consumer healthcare and a broad range of additional markets that stand to benefit from user identity-aware solutions and applications.

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