TOSHIBA

TOSHIBA SECURITY SUPPORT
FINGERPRINT READER

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WHAT IS BIOMETRICS?

Biometrics is the technique of uniquely identifying a person based on physical characteristics. This technique can be successfully applied by the Fingerprint Reader to implement a security solution, because no two people have the same fingerprint.

WHAT IS AUTHENTICATION?

Authentication is the process of identifying an individual. It is usually based on a username and password combination. This process verifies the identity of the individual, ensuring that the person really is who he or she claims to be.

WHAT IS AUTHORISATION?

Authorisation is the process of granting or denying access to network resources based on a users' identity. This identity is determined by the authentication process described above.

WHAT IS THE FINGERPRINT READER?

The Fingerprint Reader is a security solution that uses the above three techniques to uniquely identify a person attempting to access secure data and permit or deny access, depending on the individual's identity.

The Fingerprint Reader is comprised of a sensor. The person wishing to authenticate himself or herself through the Fingerprint Reader starts by placing his or her finger on the sensor. The sensor takes measurements from the live layer of skin below the surface (since the Fingerprint Reader uses a subsurface sensor). The subsurface sensor is not affected by scars, dirt or particles on the finger's surface. The Fingerprint Reader can therefore correctly identify an individual each time that individual provides a finger swipe, regardless of any changes to the finger's surface.

HOW DO I SET UP FINGERPRINT VERIFICATION?

In order to set up fingerprint verification for a particular user, that user needs to swipe his or her finger up to three times. This serves as the initial identification process. After this process is complete, the user needs to link the stored fingerprint to his or her personal account. The setup is now complete and the user can use his or her fingerprint to log on to the system.

WHAT FEATURES ARE SUPPORTED?

The following features are offered through the use of the OmniPass Software:

BIOS password security

The BIOS user password can be replaced by a fingerprint reader swipe in order complete the authentication process and boot up the notebook.

Windows logon

The Windows Logon password can be replaced by a fingerprint reader swipe for easy login.

Single logon

One Fingerprint reader swipe can replace one or more different passwords. Hence, there is no need to remember or use multiple password logins for secured web pages or applications.

File and folder encryption

In the “Encryption/Decrypt” tab of the OmniPass Software, files and folder can be marked for encryption to protect the selected file(s) and folder(s) from unauthorised access.

HELPFUL LINKS

Tech Insight - Fingerprint sensor technology
http://eu.computers.toshiba-europe.com/Contents/Toshiba_teg/EU/WORK-SHOP/files/EXP-2005-05-Fingerprint-EN.pdf

Toshiba EasyGuard mini-site
www.easyguard-info.com/

OmniPass 3.5
http://www.softexinc.com