

Toshiba EasyGuard
Carefree Mobile Computing



Toshiba EasyGuard is the better way to enhanced data security, advanced system protection and easy

connectivity. This next-generation computing experience incorporates technologies enabling optimal connectivity and security, Toshiba anti-accident innovations and advanced software utilities for carefree mobile computing.

Three core elements for carefree mobile computing

In addressing the need for enhanced data security, advanced system protection and easy connectivity, Toshiba EasyGuard features can be divided into three core elements:

- Secure** Features that deliver enhanced system and data security
- Protect & Fix** Protective design features and diagnostics utilities for maximum uptime
- Connect** Features and software utility that ensures easy and reliable wired and wireless connectivity



What is a Fingerprint Sensor?

It's no secret that secure passwords are difficult for the average person to remember. Even professionals on the go often chose simple, easily-guessed passwords because they are concerned about forgetting their password. The alternative, pass keys, are easy to lose and just as easy to forget when you are on the go.



Toshiba's fingerprint sensor technology not only eliminates the possibility of forgotten passwords, it adds a biometric layer of security to mobile computing devices like the Portégé R200. The Portégé R200 and the Libretto U100 offer the ability to identify yourself with a simple scan of your fingerprint. This identification method automatically logs known users into the computer.

How it works

A biometric security solution...

Biometrics, the technique of identifying a person based on physical characteristics, has been practiced since the time of Ancient Egypt.



The fingerprint sensor is conveniently located for quick access on the Portégé R200.

Perhaps the Ancient Egyptians also knew that every person has a unique fingerprint – there's no two exactly alike. Four thousand years later, we know that fingerprint biometrics have revolutionized mobile computing security. You always have your fingerprint with you and no other person has one just like yours.

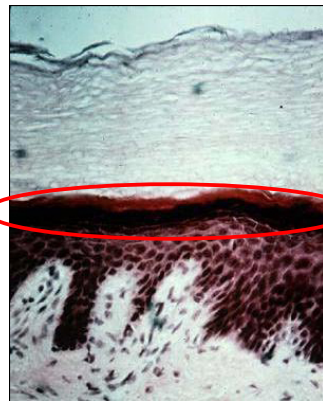
When you place your finger on the sensor, a signal is emitted from the semi-conductor chip beneath the sensor plate. This signal seeks the ridges and valleys in the conductive layer of skin below the surface. The measurements generated from the ridges and valleys result in a unique fingerprint image.

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Security is more than skin deep...

There are two types of fingerprint sensors: surface and sub-surface. The technology used by Toshiba is able to sense the live skins cells beneath the surface, capturing the best possible fingerprint image. Scars, dirt, or particles on the fingerprint surface do not affect the scan, ensuring an accurate scan every time for increased security.

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| <ul style="list-style-type: none"> ▶ Surface sensors | <ul style="list-style-type: none"> ▪ Captures the image of the finger surface only ▪ Affected by condition of the surface of the finger ▪ Cannot auto-adjust focus to gain a better image |
| <ul style="list-style-type: none"> ▶ Sub-Surface sensors | <ul style="list-style-type: none"> ▪ Captures the live layer of skin beneath the surface of the finger ▪ Unaffected by the condition at the surface ▪ Automatically adjusts focus to dynamically capture the best fingerprint image |



Finger cross-section showing the layer beneath the surface that is captured to create the fingerprint image.

Easy setup to verify your fingerprint...



Toshiba harnessed OmniPass software technology from Softex® Incorporated to administer the initial fingerprint identification and ongoing password storage. Initial identification is a simple matter of swiping your print up to three times. After linking your fingerprint to your user account, swipe your fingerprint at any prompt to log on. You are automatically logged in to your own account, even when several accounts are set up on the computer.

OmniPass can also use your fingerprint to replace typing your logon information to access websites or secured applications. The Vault Management utility stores the information, allowing you to swipe a print for instant logon.

File encryption is also a swipe away. Simply select the folder or particular file to encrypt, then right-click and select OmniPass Encrypt Files. Encrypted files cannot be shared via email or saved to external media. These files can be shared only among users registered on the same computer.



The OmniPass™ software utility offers easy management of accounts, passwords, and encrypted files.

Summary of features and benefits

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| <ul style="list-style-type: none"> ▶ Increased security for mobile computing | <p>Eliminates the security risk of passwords by using a person's unique fingerprint for identification</p> |
| <ul style="list-style-type: none"> ▶ Easy logon for known users | <p>A simple swipe of the finger logs known users onto the computer</p> |
| <ul style="list-style-type: none"> ▶ Fast encryption to protect data | <p>Selected files or folders can be encrypted with a finger swipe and decrypted only by other users known to the system</p> |
| <ul style="list-style-type: none"> ▶ Managed password database for quick web and application access | <p>Finger swipe logs on to websites or secure applications, with no need to enter passwords or username after initial authentication</p> |