

## CAREFREE MOBILE COMPUTING WITH TOSHIBA EASYGUARD

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.



### Putting the pieces together



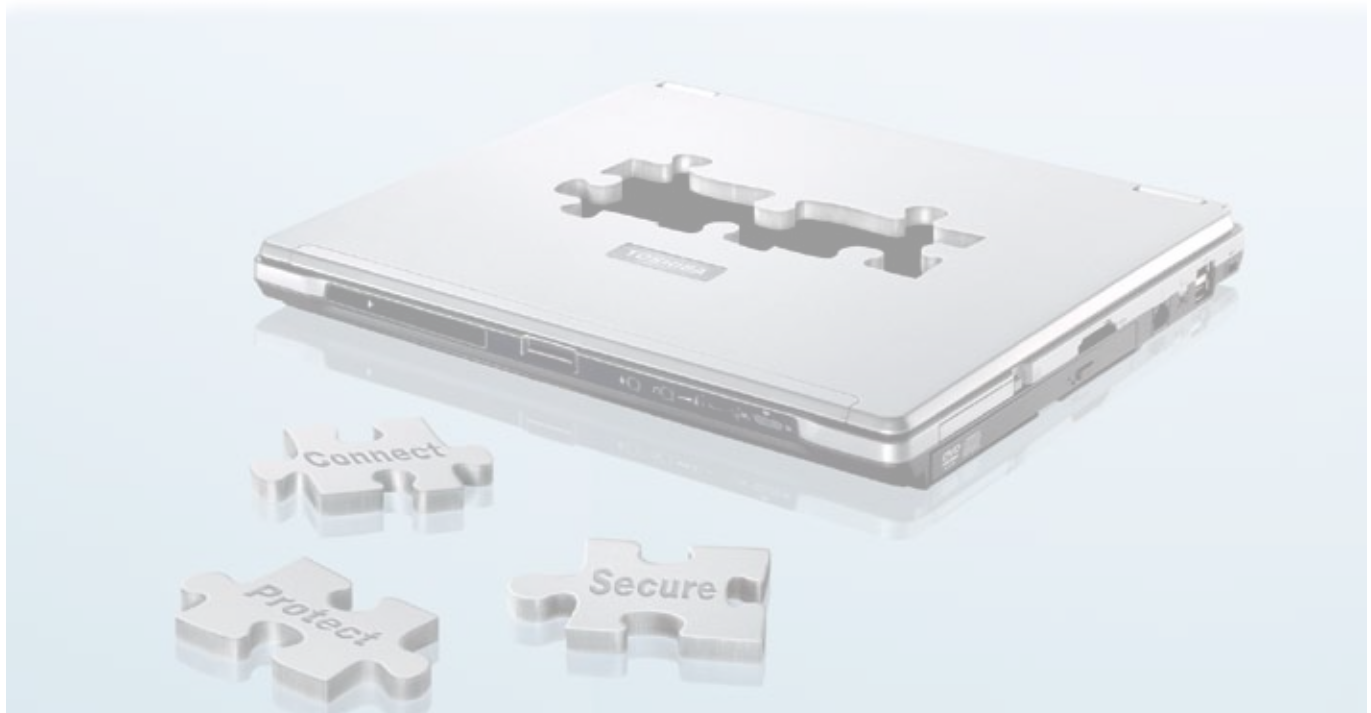
Features that deliver enhanced system and data security



Protective design features and diagnostics utilities for maximum uptime



Features and software utility that ensure easy and reliable wired and wireless connectivity



# SECURE: ENHANCED DATA SECURITY

## Why security?

When mobility gets a boost, so do the threats to your data. These threats come in many forms such as theft, viruses, worms, Trojan horses and intrusive applications like SpyWare. In order to answer today's security concerns of authentication, data and system integrity, confidentiality and reliability of information, the Secure element of Toshiba EasyGuard delivers enhanced system and data security.



## Features that deliver enhanced system and data security

### Execute Disable Bit

As viruses and worms are having a heyday in this day and age, Execute Disable Bit (XD-Bit) proves indispensable. It prevents buffer overflow virus attacks by enabling the notebook's processor to distinguish between bits of code that should be executed and ones that cannot be as they pose a threat to the system. When a malicious worm attempts to insert code into the buffer, the processor disables code execution, preventing damage or worm propagation. Even if infected code is present, it cannot cause any damage to the system while XD-Bit is enabled.

### Trusted Platform Module (TPM)

With the rising use of digital signatures, secure e-mail, equipment authentication as well as file encryption it is increasingly common to use unique Public Key Infrastructure (PKI) key pairs and credentials for data protection. In order to ensure optimal data protection, TPM provides the ideal key 'safety box' in the form of a secure storage chip. This combination of software (data encryption) and hardware (TPM) data protection ensures optimal content integrity and privacy.

### Device Lock

The Device Lock software allows supervisors to restrict access to the notebook's devices and interfaces. It is a BIOS-supported tool set that helps to prevent unauthorised access to the notebook or unauthorised copying of confidential files.



### Password Utilities

Normally, you can set a password for booting your notebook from the BIOS setup screen. Such a password prevents unauthorised system access before it boots. With Toshiba Password Utilities, the user can define password protection for both the system boot and HDD access. This two-level password concept allows supervisors to also control the user's passwords. Finally, it offers the additional benefit of enabling users who are not familiar with the BIOS interface to register a user or administrator password while working in the well-known Windows environment.

### Fingerprint Reader

Toshiba's Fingerprint Reader technology not only eliminates the possibility of forgotten passwords, it adds a biometric layer of security to mobile computing devices. This Toshiba EasyGuard feature offers users the ability to identify themselves with a simple scan of a fingerprint. This identification method automatically logs known users into the computer. The Fingerprint Reader Single Sign-on functionality provides single touch fingerprint password authentication for all system passwords, including BIOS, HDD and Windows passwords.



### Antivirus Software

Preinstalled 90-day free OEM version of Symantec's Norton Internet Security 2005 provides up-to-date protection from viruses, hackers and privacy threats.

### VACF (Viewing Angle Control Filter) LCD

Toshiba engineers have invented a new and exclusive tool to keep your sensitive data protected from curious glances — the VACF (Viewing Angle Control Filter) LCD. This display, which is available on selected Tecra M3 models, has a viewing angle control filter built into the notebook. Excellent for working in open, high-traffic places, this extra layer is designed to provide improved security for confidential data by obscuring the side view of your screen and preventing onlookers from discerning data on the screen.



## PROTECT & FIX: ADVANCED SYSTEM PROTECTION

### Why protection?

The moment you take your notebook computer out of your office, the risk of damage also increases. With enhanced mobility, drop and malfunction risks start to multiply. The incorporated protective design features and diagnostics utilities of the Protect & Fix element of Toshiba EasyGuard provide advanced system protection and ensure maximum uptime.



## Protective design features and diagnostics utilities for maximum uptime

### Toshiba RAID

With Toshiba RAID Support, users benefit from maximised productivity by ensuring that all data is backed up and protected on a separate hard disk drive. Level 1 RAID means that data from the primary hard drive is mirrored (copied) onto a second (optional) hard drive. If the primary drive fails or data becomes corrupted, the system automatically reads from the second hard disk.

### Spill-resistant Keyboard

The Spill-resistant Keyboard design provides unique and improved protection that helps safeguard notebooks from small volume accidental spills. Users are allowed several minutes after the spill to close any open files and turn off the machine.



### Shock Protection Design

When a notebook computer drops, the shock from the impact can harm the system components and result in the loss of critical data. Shock Protection Design incorporates shock absorbers to provide the system with a higher impact protection. This anti-accident design includes shock protectors as a corner bumper mechanism to buffer against the shock from physical drop.



### HDD Protection

In case of shock, vibration or fall, the hard disk drive (HDD) head can scratch the spinning disks while reading or writing data, causing damage to the HDD and data loss. HDD Protection features shock absorber material around the HDD and a unique 3-axis motion monitoring system that is capable of detecting free fall in all directions. Upon detection of a potential fall, the HDD head unloads, thus decreasing the possibility of damage to the HDD and ultimately loss of data.

### Anti-theft Protection Timer

This Toshiba EasyGuard feature lets users set up a timer-activated BIOS password that prevents system access. In the event of theft, this feature is useful because the notebook becomes inaccessible after a set period of time, thus protecting

data from being accessed by an unauthorised person.

### Data Backup

Data backups protect against data loss in the case of accident or theft. Backup copies should be stored on an external hard disk drive, CD, DVD or some other storage format.

### Easy Fix Components

Easy Fix Components offer easy access to components such as memory, HDD, Wireless LAN and Bluetooth™ modules. This makes it easy to exchange components for reduced maintenance costs and minimised system downtime.

### Durable Design

Toshiba notebooks go through rigorous testing. Robust system design - assured through testing - means improved product quality, reliability and durability.

### Magnesium Casework

Magnesium Casework on selected Toshiba notebooks provides users with a robust, lightweight casework - the ideal material for an enhanced mobile computing experience.

### PC Diagnostics

Toshiba's PC Diagnostics provide two functions: a basic information list for easy and quick system information and diagnostic tools that let end-users and IT staff diagnose and solve IT issues or problems quickly and easily. A quick resolution of an IT issue or problem means greater uptime for productive mobile working.

### Kensington Lock

All Toshiba notebooks include this industry standard external locking device, which helps to prevent notebook theft.

## CONNECT: EASY CONNECTIVITY

### Why connectivity?

Always on the go, juggling appointments, participating in online meetings and conducting online presentations... If this sounds like your workday, then you know how important it is to be able to connect quickly to a secure and reliable network. The Connect element of Toshiba EasyGuard simplifies this task through a combination of software and hardware components that ensure easy and reliable wired and wireless connectivity.



## Features and software utility that ensure easy and reliable wired and wireless connectivity

### ConfigFree™ from Toshiba

Toshiba ConfigFree™ software simplifies wired and wireless connectivity. The wireless radar screen provides a detailed overview of all nearby Bluetooth® devices and available Wi-Fi™ access points or networks. Quickly capture and store connectivity profile information and use these profiles again for instant connectivity. The ConfigFree™ Summit feature enables online collaboration and file sharing with connected team members through the creation of meeting rooms. The Connectivity Doctor analyses and troubleshoots network connectivity issue. It's like having your own onboard helpdesk.



### Toshiba Summit

Toshiba Summit is a software utility that creates a virtual conference room with other members who are using ConfigFree™ on the network. Using Summit, users can drag and drop files to share them with the entire "meeting room" or send a file privately to a single participant in the "room".



### Diversity Antenna

Connecting to a wireless network is always a question of signal reception. In order to increase signal reception and ensure optimal connectivity, Toshiba has incorporated two Wi-Fi™ antennae into the top lid of the LCD. The location of the antennae ensures that reception is not interrupted by the user or the office environment. The notebook software monitors the signal levels for both antennae and chooses the antenna with the best reception.



### Wireless LAN Switch

Toshiba notebooks come equipped with a sliding switch for easy and secure activation / deactivation of integrated Wireless LAN modules.

## TOSHIBA EASYGUARD: FEATURES AT A GLANCE\*

Element	Feature	Definition
Secure	Execute Disable Bit (XD-Bit)	Industry standard way to prevent buffer overflow virus attacks
	Trusted Platform Module (TPM)	Industry standard hardware / software security solution that protects sensitive data, using encryption and digital signatures to ensure content integrity and privacy
	Device Lock	Toshiba software utility that allows flexible locking of specific devices in order to prevent unauthorised access to computer or copying of confidential files
	Password Utilities	Toshiba software utilities that allow system administrators and users to set up boot and HDD access passwords
	Fingerprint Reader	Supports user authentication and access control as well as easy application selection and launch/control
	Fingerprint Reader Single Sign-on	Provides single-touch convenient and fast fingerprint password authentication for all system passwords (BIOS, HDD, Windows)
	Antivirus Software	It provides up-to-date protection against viruses, hackers, and privacy threats with Symantec's Norton Internet Security 2005
	VACF (Viewing Angle Control Filter) LCD	Toshiba's new and exclusive VACF (Viewing Angle Control Filter) LCD is excellent for open, high-traffic areas providing instant-on viewing security for your onscreen data
Protect & Fix	Easy Fix Components	Components that are easy to access and exchange, such as memory, HDD, modem, Wireless LAN and Bluetooth™ modules, can save maintenance costs and minimise system downtime
	Data Backup	Backup your data to protect it against accidental loss. Store your backup copies on an external hard disk drive, CD, DVD, or some other storage format
	Durable Design	Robust system design for improved product quality, reliability and durability
	HDD Protection	Shock absorption in combination with Toshiba's own 3-axis motion monitoring reduces the risk of HDD damage and data loss in the event of a fall, shock or vibration
	Spill-resistant Keyboard	Extra insulation and water resistance incorporated into the system in order to delay damage from accidental spills
	Shock Protection Design	Specially designed shock absorption that encloses key components, such as HDD, LCD and inverter to help reduce risk of damage in case of accidental shock, vibration or fall
	Magnesium Casework	Special alloy casework ensures robustness while providing the lightness required from a notebook computer
	PC Diagnostic Tool	Specially developed Toshiba software provides one-touch system support and services
	Kensington Lock	Industry standard external locking device that helps to prevent spontaneous notebook theft
	Anti-theft Protection Timer	Allows users to set up a timer-activated BIOS password that prevents unauthorised system access in the event of theft
Connect	ConfigFree™	Software developed by Toshiba that allows users to quickly and easily set up a network connection, troubleshoot any connectivity problems and capture a complete set of location settings for easy, one-button future use
	Diversity Antenna	Toshiba innovation (2 Wi-Fi™ antennae and 1 Bluetooth® antenna in LCD display) provides better wireless signal reception and optimal wireless network connectivity
	Toshiba Summit	Software developed by Toshiba for net meeting productivity and easy wireless file sharing
	Wireless LAN Switch	Sliding switch for easy and secure activation / deactivation of integrated Wireless LAN modules

\*Please note that Toshiba EasyGuard features may vary depending on the notebook. Please consult your authorised Toshiba reseller for more information.