

Toshiba EasyGuard Carefree Mobile Computing



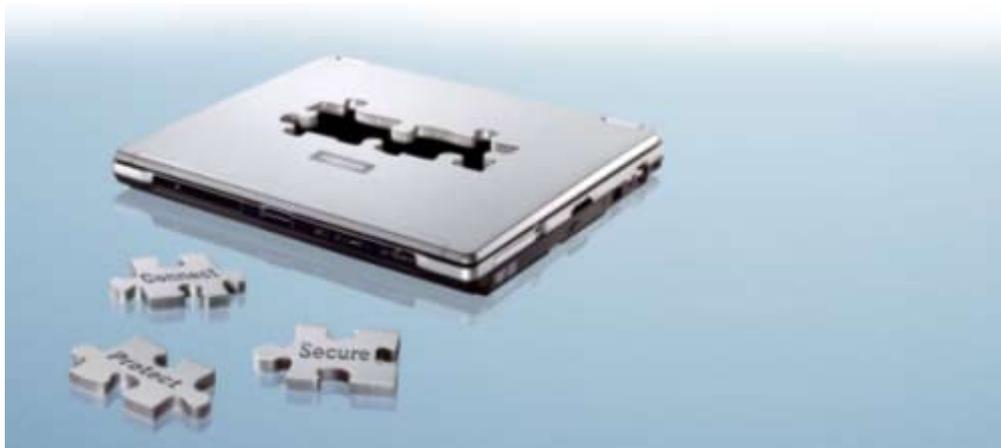
Toshiba EasyGuard is the better way to enhanced data security, advanced system protection and easy connectivity. This

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 RAID?

RAID, an acronym for Redundant Array of Independent Disks, is a method of storing data on more than one hard disk drive to ensure data integrity and availability. Until recently, RAID was implemented in servers to provide data redundancy and ensure continuous uptime. This data protection technology is now available for the mobile business user.



RAID Level 1 support as a secure means of data backup in select business models such as the Portégé S100.

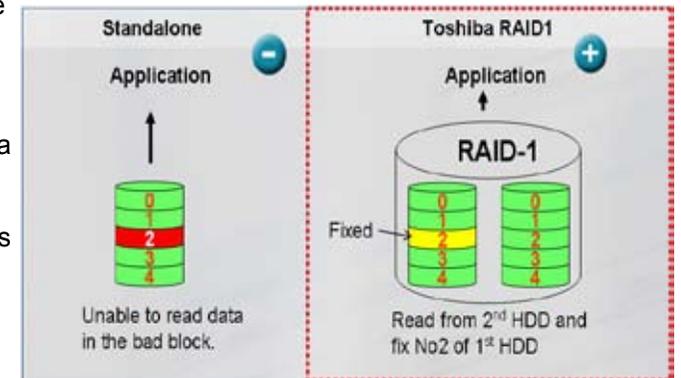
RAID Level 1 protects user data by providing an automatic backup. Data from the primary hard disk drive (HDD) is mirrored (copied) onto a second HDD. If the primary drive fails or data becomes corrupted, the system automatically reads from the second one.

How Toshiba RAID Support works

RAID Level 1, also called disk mirroring, is the basis for the Toshiba EasyGuard feature Toshiba RAID Support and requires at least two drives - the original HDD and a second

HDD used to create an exact mirror image of the original hard disk drive. When an optional second HDD is inserted into the notebook's SelectBay (in the case of the Portégé S100), the RAID controller automatically detects the drive and begins the data mirroring process. In the Qosmio G20, a second HDD is included as a standard feature and Toshiba RAID Support can be activated as a default setting.

Complete duplication requires between 30 and 45 minutes depending on the HDD size, resulting in an entire hard drive backup. The mirrored drive can be left in the SelectBay for continued data



RAID ensures that data is available regardless of corrupt or bad blocks on the hard disk.

duplication or removed and stored away for data protection. If kept in the notebook, the user can access data from either HDD, speeding up read performance and thereby loading documents and files more quickly.

Who needs Toshiba RAID Support?

Today's mobile business users can benefit most from RAID technology. For business users travelling with sensitive business data, RAID not only provides a secure means of data backup but also ensures data availability for protected uptime productivity.

RAID Level 1 enables the mobile business user to create a data backup anytime and anywhere. With a mirrored disk, the data is protected even if the computer is lost or stolen. Downtime is eliminated, ensuring maximum productivity for the busy user on the go.

Benefits for business users



Toshiba's RAID Console utility is password protected, ensuring that only authorized users can read and remove the disk drives.

▶ Complete data protection & backup	Maximises productivity by ensuring that all data is backed up and protected on a separate hard disk drive. Loss or theft of the notebook or the primary hard disk does not result in data loss.
▶ Mobile storage	The secondary disk drive can be removed from the notebook and stored elsewhere for safety. Removal of the secondary HDD guarantees data integrity in the event of primary disk failure or computer theft.
▶ Security in case of disk failure	If one HDD fails, it is a simple matter of using Toshiba's RAID Console utility to swap out the defective disk drive and replace it with a new disk drive.
▶ Improved performance	When operating with both hard disks, the mobile computer is able to process data more quickly, resulting in a noticeable increase in overall performance.