

## Newly Developed “data protection solution” for PC Notebooks on the go uses a smartSD card and electronic dividing technology

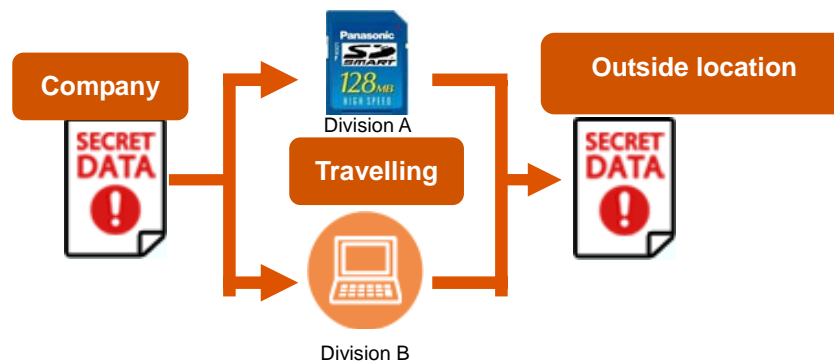
In business there are increasing instances of important information being stored on notebook PCs or external storage media. These are then taken to meetings, client presentations or training outside of the company network, and they often contain confidential information. But taking information that is necessary for these business functions and bringing it outside of the company data system increases the risk of an information leak caused by loss, theft or viruses. More effective measures are being sought to protect the data that is on the go.

Toppan Printing Co., Ltd. (hereafter Toppan Printing; Head office: Chiyoda Ward, Tokyo; President & CEO: Naoki Adachi) and Toppan NSW Co., Ltd. (hereafter Toppan NSW; Head office: Bunkyo Ward, Tokyo; President & CEO: Masahiro Doyo) have collaborated with Panasonic Corporation (hereafter Panasonic; Head office: Kadoma City, Osaka; President: Fumio Ohtsubo) to develop a protection system for data on notebook PCs whereby “electronic dividing technology(\*2)”, which disperses confidential information, has been added to the “Let’snote” PCs produced by Panasonic and the “smartSD card (\*1)”, which is an external data storage medium with extremely high security.

Toppan Printing and Toppan NSW will begin sales of this solution, which realizes a simple and convenient information leakage prevention countermeasure, from March.

- 1\* The smartSD card is a product developed by Panasonic. It is a media whereby IC card functions such as advanced security and contactless transmission have been added to a memory card.
- 2\* Electronic dividing technology is a type of confidential dispersion technology that divides and stores information in multiple segments and brings the segments together to enable the original information to be extracted. The original information cannot be restored without all the segments.

This solution was developed using Global Friendship Inc.’s GFI Electronic Warifu@NEO-V2 library.



By using the electronic dividing technology the data can be saved by dividing it between the smartSD card (division A) and the notebook PC (division B),

## Use of the solution

### Special features

High security is realized because the smartSD card is a storage medium that also has security functions. By using electronic division whereby confidential dispersion technology is included as software, important data can be divided and stored on a notebook PC and smartSD card. If the notebook PC or smartSD card is lost, the data cannot be restored using just one of these and this therefore means no risk of information leakage.

To view or update the data on the smartSD card, user authentication by PIN is required. With this user authentication function, a security level has been realized which is the same as when using an IC card.

### Operation and introduction is simple

Files in the monitoring folder are automatically divided when the PC is shut down and restored when it is started up.

Since operation can be started even without server software, it is possible to implement information leakage countermeasures promptly in individual departments.

### Compatibility with security standards

This solution meets the requirements of the "enhanced compliance items" for protection countermeasures for magnetic storage in the "Unified Standards for Information Security Countermeasures at Government Agencies (3rd edition)". It is a solution that is suitable not just for government agencies but for all organizations handling data held by government agencies.

When using GFI Electronic Warifu®, the divided data that is robustly managed is considered as "not personal information".

### Situations for use

With adoption of this solution, it is possible to engage in sales activities making use of the mobility of the notebook PC without the risk of information leakage. In particular, this is a revolutionary information leakage prevention measure for users for whom it is essential to work with data stored on a notebook PC, such as engineers that frequently visit locations with no network environment such as regional factories and power plants.

### Operation environment

Notebook PC: Panasonic Let'snote

\* When using a built in SD memory card slot.

Tested with the CF-T5 series as the main model. Testing is planned for other Panasonic Let'snote and Panasonic TOUGHBOOK PCs with built-in SD memory card slots.

OS: Microsoft(R) Windows(R) XP Professional Japanese edition.

\*Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and other countries.

### Roles of the 2 companies

Toppan Printing: Software development related to the smartSD card, sales of the solution

Toppan NSW: Development of application software for notebook PCs using the electronic dividing technology, sales of the solution

### Toppan NSW Co., Ltd.

With the objective of business expansion in Toppan Printing's IC business and E-business fields, this company was established through a joint venture between Toppan Printing and NSW, an independent system integration company listed on the First Section of the Tokyo Stock Exchange. Its main businesses are IC solutions and web solutions and it performs system planning, development and operation.

**NOTE: This product is not available in the United States at this time. For more information, contact Ron Ens at 732-469-8400, ext. 2505**