

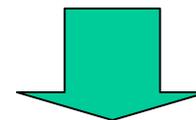
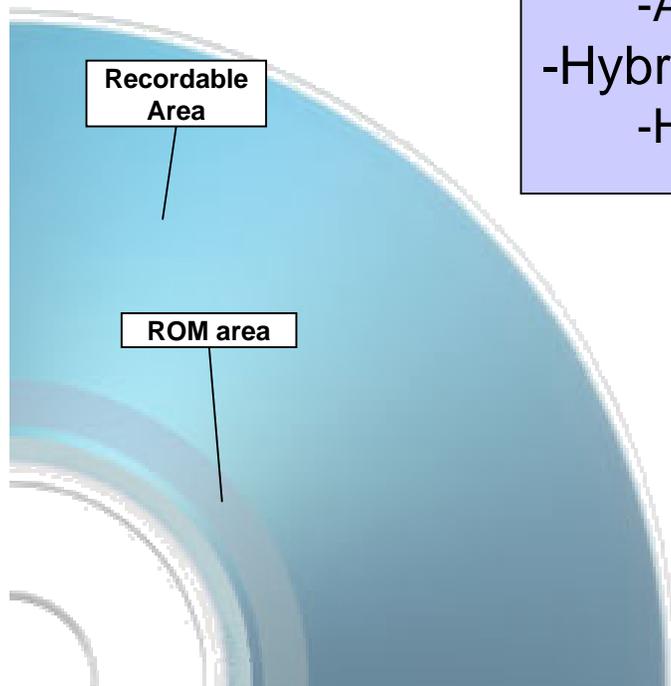
Security CD-R
Introduction of CryptDisc

February 2nd 2006
Ricoh Company, Ltd

CryptDisc is one of Hybrid CD-R.

What's hybrid CD-R?

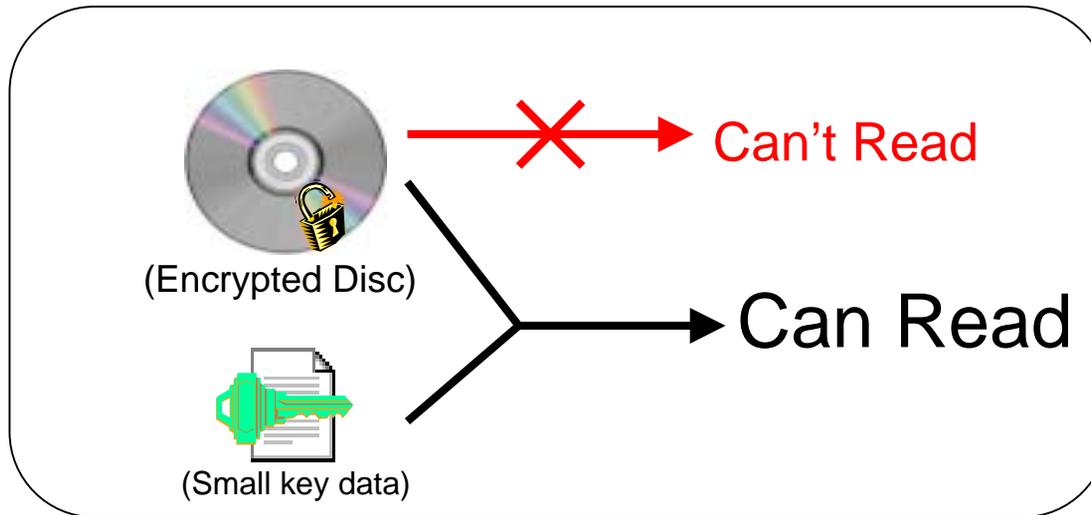
- Hybrid CD-R has ROM area and recordable area in one disc
 - Application software can be built in.
- Hybrid CD-R is based on Orange Book.
 - Hybrid CD-R can be written by most CD-R writers.



This technology enabled to develop high compatible Security CD-R.

CryptDisc:

Maintains data security with a separate Key.



Benefit:

No need to worry should the disc containing the data be misplaced, lost or stolen.

Main point:

“Offline Security”

1. Safe Transportation

Don't fear theft or loss while transporting sensitive data.

2. Safe Distribution

Don't fear theft or loss when sending sensitive data.

3. Safe Archive

Don't fear theft or network attack.

Suitable data for CryptDisc

*CAD/CAM

*Artwork

*Promotion Tool data

*Software

*Back up

*Confidential data

*Client data

CryptDisc Features

- High compatibility
- High Security by strong security function
- Easy operation by simple GUI
- Better cost performance than usual encryption system

High Security

High Security

- Use multiple code method, for fast encryption and high security.
- FIPS140-2 certified – 1st Japanese software to be certified

What is FIPS? - Federal Information Processing Standard.
This is the security defacto standard for cryptographic modules.



Original Copy Guard Function

- CryptDisc is secured with Ricoh's original Copy Guard technology.

Easy Operation

No Application Installation

→ Using Ricoh original Hybrid technology, no application installation is required. *Driver installation is required.

Easy to Operate

→ Very simple operation with GUI (Graphical User Interface).
→ Autorun



Writing software and encryption software incorporated in Cryptdisc

Better cost performance than usual encryption system

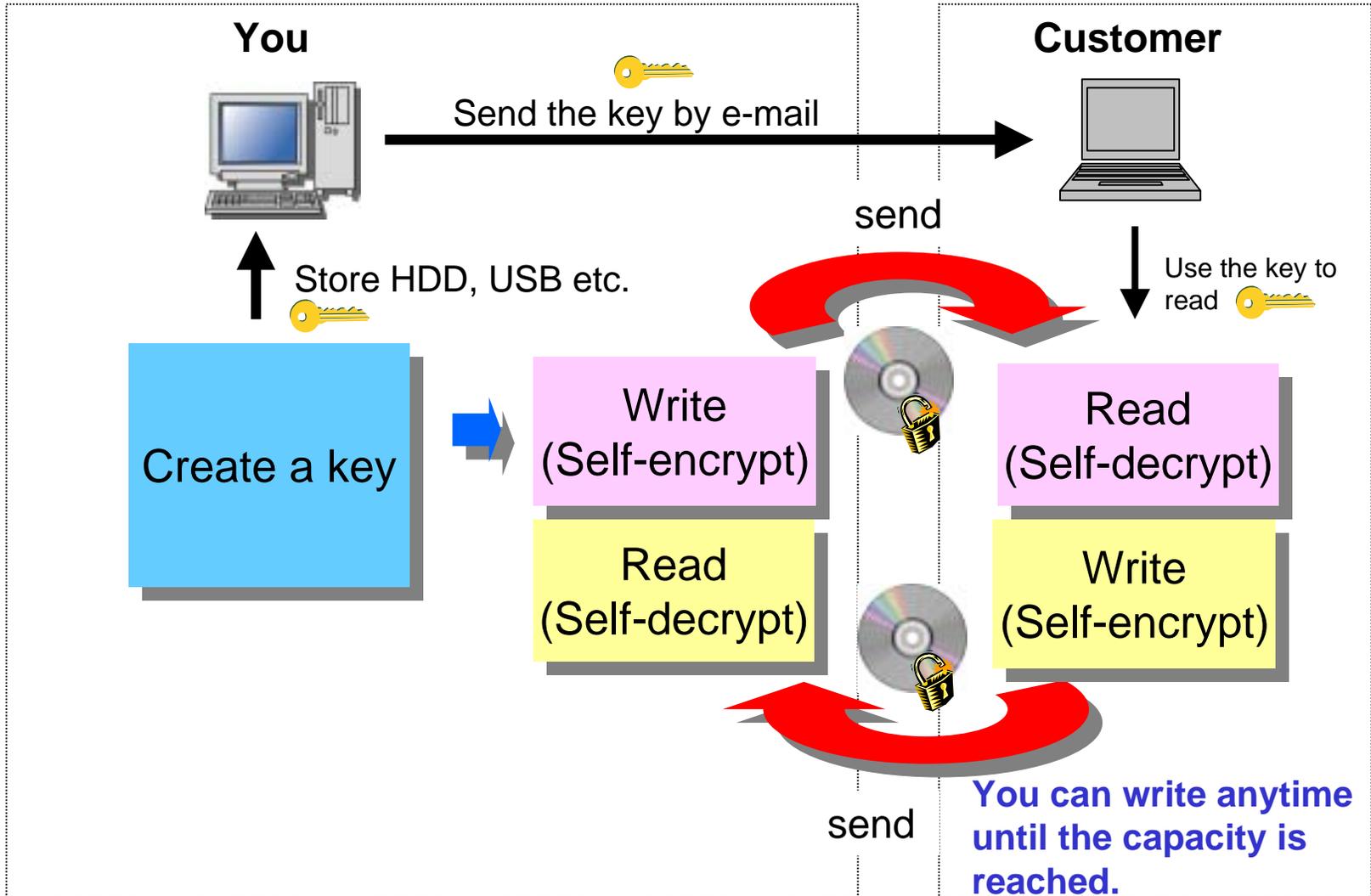
No requirement for additional hardware or software

→ To use CryptDisc, all that is necessary are;

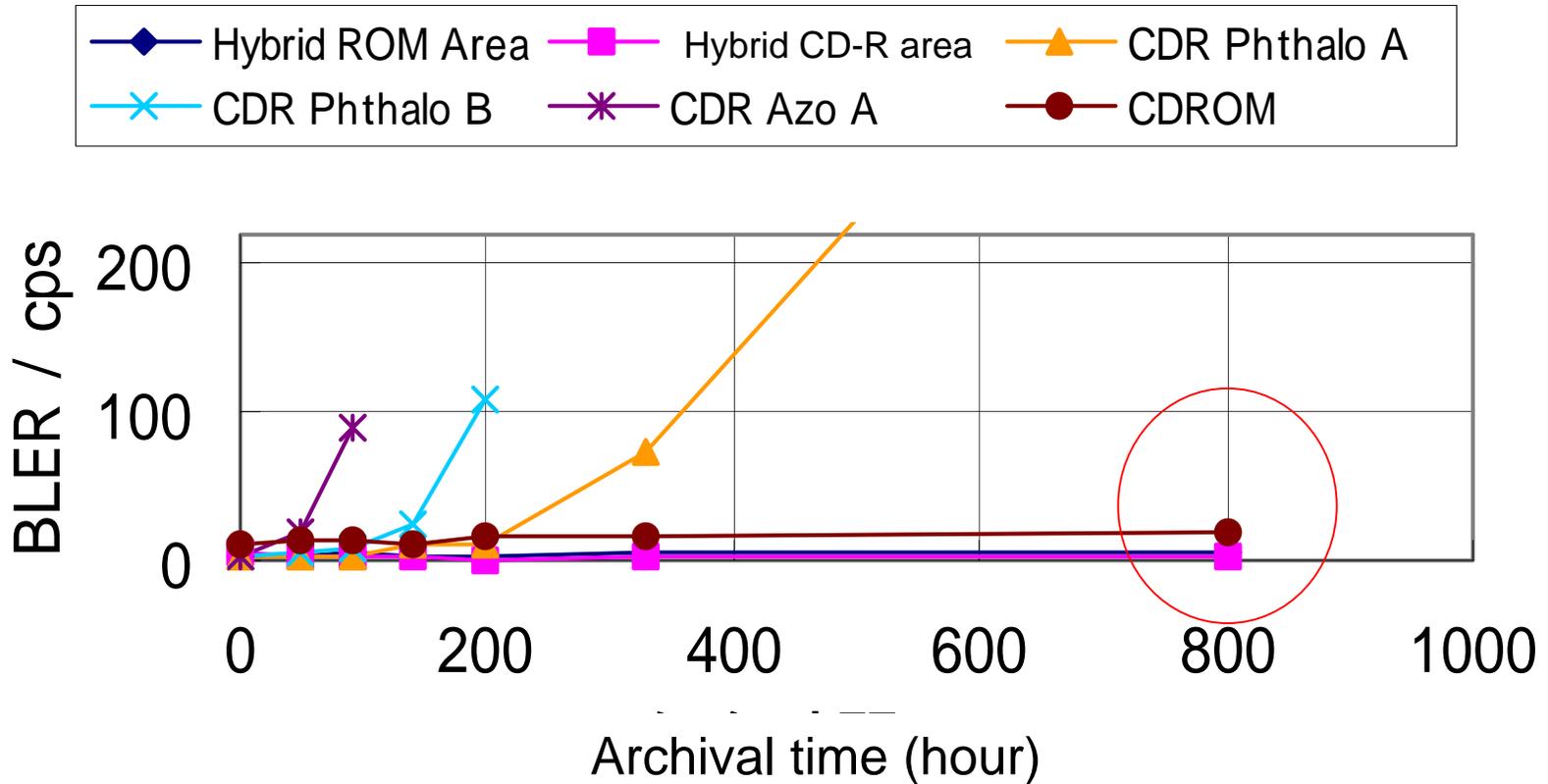
CryptDisc

CryptDisc Keycreator

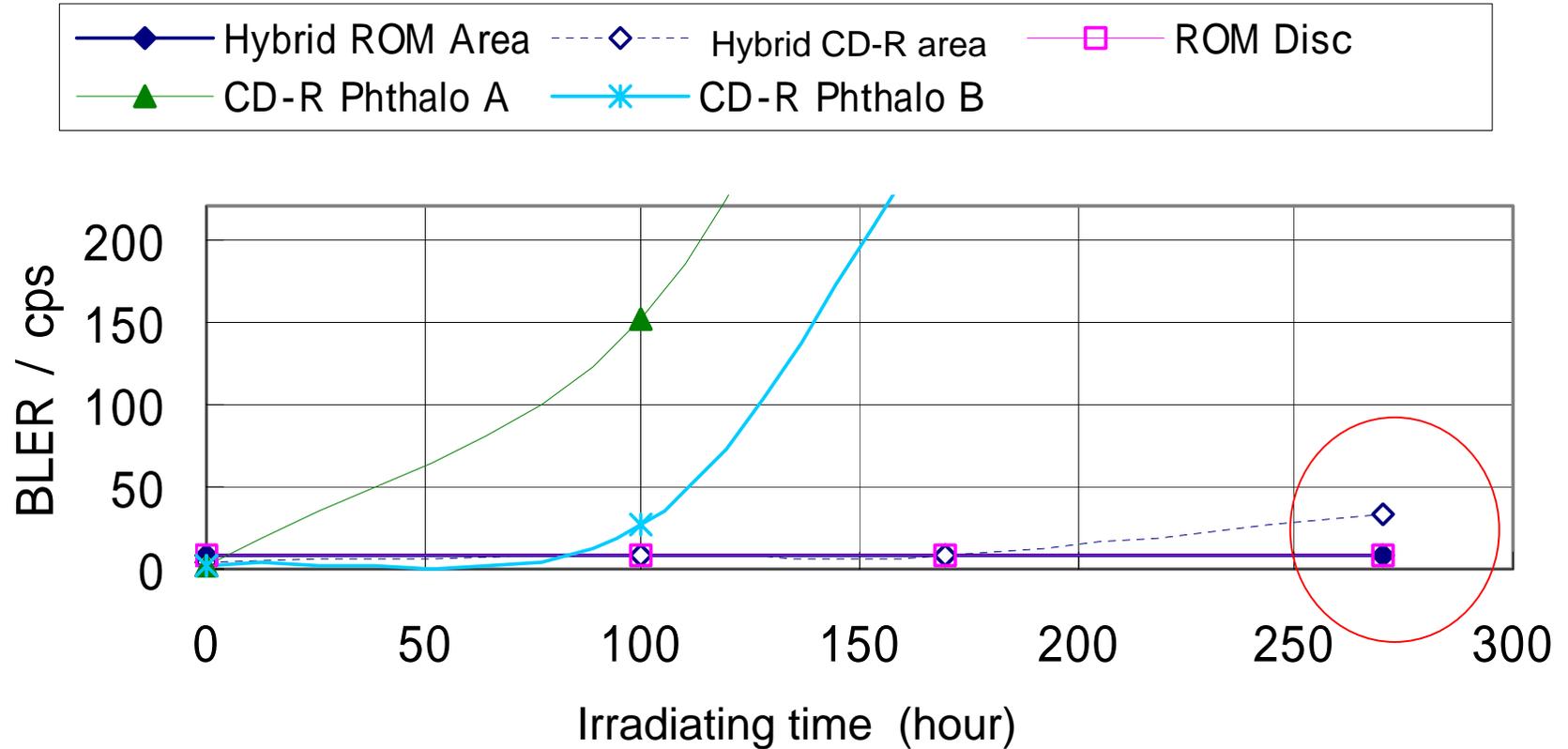
CD-R drive



Durability Test (8 0 , 8 5 % R H)



Light Fastness Test



More information about CryptDisc...

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