

Top 10 reasons to use Kingston Encrypted SSD with TCG OPAL



01 The high cost of data breaches and stolen records*



\$3.62 million

Average cost of data breach



24,089

Average number of records in a data breach



\$141

Average cost per lost or stolen record

02 Cybersecurity data protection significantly reduces costs*



An **incident response** team can save:

\$19

per record

\$457,691

per breach



Extensive use of **encryption** can save:

\$16

per record

\$385K

per breach

03 Protect company data with encrypted SSDs



Kingston's self-encrypting solid-state drives (SSD) with TCG Opal 2.0

TCG

Trusted Computing Group™

International industry-standards group that defines hardware-based root of trust for interoperable trusted computing platforms

OPAL

Storage Workgroup for Policy-Controlled Storage Device Architecture

A standard for creating and managing interoperable SEDs for the protection of data "in transit" and "at rest" from compromise due to loss, theft, repurposing or drive "end of life"

04 Uses the latest technology



> Latest 64-layer 3D NAND Flash technology



> Built-in / Self-contained

AES 256-bit hardware encryption
Self-encrypting drive (SED) with TCG Opal 2.0

05 The benefits of TCG/OPAL



TCG

Trusted Computing Group™

- > Only **authorised machines** can access networks
- > **Health and compliance** are also determined



OPAL

Storage Workgroup for Policy-Controlled Storage Device Architecture

- > Transfers the processing load of the encryption to the **SSD**, cutting the stress on the PC CPU

Encrypt and decrypt drive **within seconds** vs other solutions that take minutes and hours

- > Compatible with **any OS**
- > **Complements endpoint drive encryption DLP** software from independent software vendors (ISV)

Centrally managed security policy, password recovery, automatic updates, user creation/deletion

06 Lower cost of ownership (TCO) *



Requires a **lower overhead** compared to software encryption

- × **No need** for **complex infrastructure** to manage encryption keys
- × **No modifications** to the **operating system, applications** or **tools**

- > **Flexibility** with multiple form factors:

2.5" / M.2 / mSATA

- > **Time saver** - Simplifies IT management and deployment of desktop PCs, small-form-factor PCs, laptops and tablets

07 Data loss prevention (DLP)



Minimise the risk of data theft compared to traditional hard drives that are non-protected and insecure



Easy to deploy and **complements endpoint drive security solutions** from independent software vendors (ISV) such as WinMagic, Symantec, McAfee, Sophos and others

08 Encrypted SSDs are essential for many industries



Corporations, groups, organisations with a computer and storage devices



Small/medium sized business and **government agencies** across healthcare, financial, education and others

Internal workforce and growing mobile workforce



Companies complying with **industry standards** and **global regulations**



A **GDPR-ready**** asset in a company's quest for compliance

09 Stay compliant** with standards and regulations



Industry standards identify and indicate rules for data protection

- > **Examples:** Healthcare, financial, government



Regulations: An authoritative rule dealing with details or procedures in data protection

- > **EU GDPR** – Penalties of up to €20 million or 4% of annual global turnover, whichever is greater

Encryption - Security of data processing standards (Article 32, Security of processing)

10 Kingston is a proven leader in innovation and customer service



30 years

of legendary trust, reliability and support



UV500

family of encrypted SSDs fit any company's needs



120GB–1.92TB

Capacities from 120GB up to 1.92TB

Visit Kingston for more information

kingston.com/en/ssd/business/suv500



Source: *2017 Cost of Data Breach Study, by Ponemon Institute LLC June 2017

**Product serves as an element within a managed security solution toward compliance. Product itself does not warrant GDPR compliance.