

# 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\*



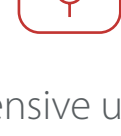
An **incident response** team can save:

**\$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



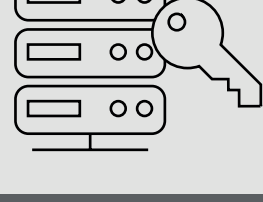
Latest **64-layer 3D NAND Flash** technology



**Built-in / Self-contained**

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

## 05 The benefits of TCG/OPAL

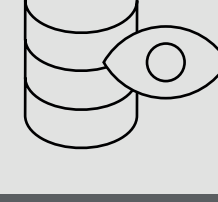


**TCG**

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)

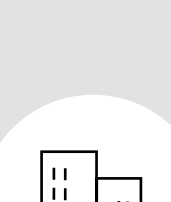


**Minimise the risk of data theft** compared to traditional hard drives that are non-protected and insecure



**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

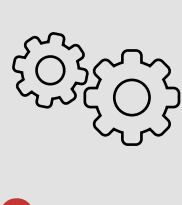


**Regulations:** An authoritative rule dealing with details or procedures in data protection

> **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](http://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.