



an iStorage Group Company

iStorage®



Kanguru Defender® Opal SED300™

High-Speed, FIPS Certified
Data Protection

FIPS 140-2 Certified, Self-Encrypting Internal NVMe Solid State Drive

The FIPS 140-2 Certified Kanguru Defender Opal SED300™ is a hardware-based self-encrypting drive, providing full disk data security at rest, keeping your operating system locked and protected using state-of-the-art, self-contained implementation, with none of the performance bottlenecks of a software based encryption platform. The FIPS 140-2 Certified Defender Opal SED300™ provides exceptional data security benefits to meet the toughest compliance standards.

- Full Drive Hardware Encryption with Pre-Boot Authentication
- Comprehensive Dashboard for User-Friendly Experience
- Secure Firmware with Digital Signature
- Tamper-Resistant Epoxy Coating Cryptographic Controller and Flash Storage



FIPS 140-2 Certified



TAA Compliant

Workforce Provisioning Tool

In addition, Kanguru's provisioning tools allow administrators to configure enforceable security policies for deployment to a global user workforce, which users must adhere to. Built on over 20 years of hardware security experience in the government certification world, users can be assured Kanguru is up to the task of keeping their organization's data assets safe.

TECHNICAL SPECIFICATIONS

PART NUMBER	KSSED300-NVME-Series
FIPS 140-2 CERTIFIED	Cert. #4295
CAPACITY*	500G, 1T, 2T
DEVICE TYPE	Self-Encrypting Internal NVMe SSD
FORM FACTOR	NVMe PCIe M.2 2280
PERFORMANCE	Sequential Read up to 3300MB/s Sequential Write up to 3000MB/s 4K Random Read up to 700K IOPS 4K Random Write up to 680K IOPS
TEMPERATURE RANGE	Operating range: 0°C ~ 70°C Storage range: -40°C ~ 85°C
PRODUCT WEIGHT	14 g
WARRANTY	3 Years
CERTIFICATIONS	FIPS 140-2 Certified, FIPS 197, TAA Compliance
COMPATIBILITY	Windows and Linux



"Always On"
AES 256-Bit Hardware Encryption

Part Number:
KSSED300-NVME-Series

FEATURES/BENEFITS

- FIPS 140-2 Certified, Level 2
- FIPS 197 Certified "Always On" 256-Bit AES Hardware Encryption
- Internal NVMe PCIe M.2, 2280 NVMe Gen 3 x 4
- TAA Compliant
- High-Performance Solid State Drive Technology with Sequential Read up to 3300MB/s and Sequential Write up to 3000MB/s
- Available Capacities*: 500G, 1T, 2T
- Compatible with Windows, Linux



Manage all aspects of the internal Self-Encrypting Drive from the onboard, dedicated hardware encryption processor. Hardware encryption persistently outperforms software encryption hands down. Leave the performance bottlenecks and vulnerabilities behind and be absolutely certain that all of your data is protected.

* All listed capacities, within the xxx range are used for formatting and other functions and thus are not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products.

Kanguru defines a gigabyte (GB) as 1,000,000,000 bytes.

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