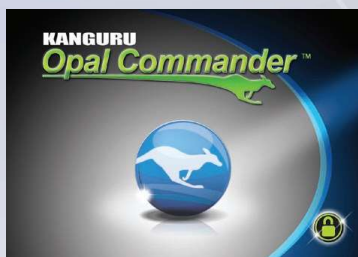# Kanguru Defender® Opal SED30™
Self-Encrypting Corporate Internal NVMe Solid State Drive

The Kanguru Defender® Opal SED30™ 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 Defender Opal SED30™ provides exceptional data security benefits and performance for corporations, industries, businesses and professionals.

- **Full Drive Hardware Encryption with Pre-Boot Authentication**
- **Comprehensive Dashboard for User-Friendly Experience**
- **Secure Firmware with Digital Signature Controller and Flash Storage**

TAA Compliant

AES 256-Bit Hardware Encryption

Part Number:
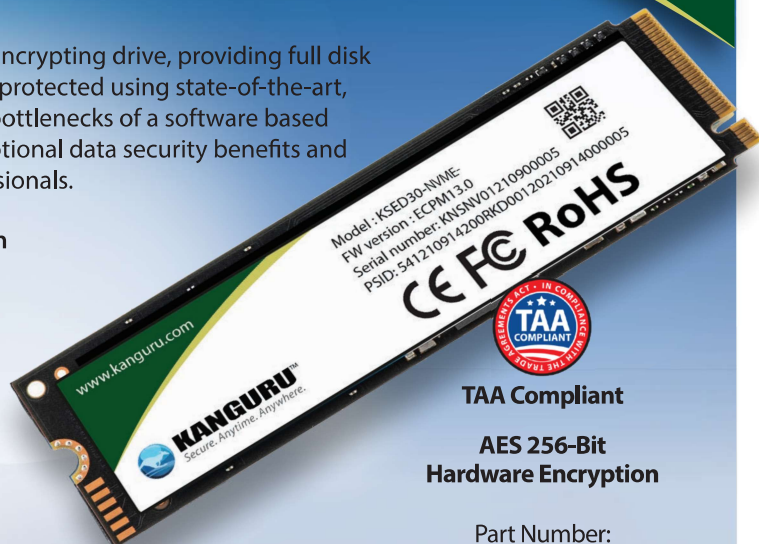**KSED30–NVME-Series**

KANGURU OPAL COMMANDER

Using the Kanguru Opal Commander software suite, confidently manage and review all aspects of the hardware-encrypted Kanguru Defender SED30 module. Hardware encryption consistently outperforms software encryption since encryption/decryption processing is done in the hardware crypto-controller. Leave the performance bottlenecks and vulnerabilities behind and increase the confidence level that all data is protected.

FEATURES/BENEFITS

- 256-Bit AES Hardware Encryption
- Internal NVMe PCIe M.2, 2280 NVMe Gen 4 x 4
- Ideal for Laptops, Tablets and Computers
- Sensitive Cryptographic Keys are Never Exported from the Hardware Controller, Unlike Software Encryption Implementations
- Supports Global Security Profiles with Admin Access
- TAA Compliant for Government Procurement Contracts
- High-Performance Solid State Drive Technology with Sequential Read up to 7200MB/s and Sequential Write up to 6500MB/s
- Available Capacities: 1T, 2T, 4T and 8T
- Compatible with Windows, Linux

TECHNICAL SPECIFICATIONS

PART NUMBER	KSED30-NVME-Series
CAPACITY	1T, 2T, 4T, 8T
DEVICE TYPE	Self-Encrypting Internal M.2 NVMe SSD
FORM FACTOR	M.2 2280
INTERFACE	NVMe PCIe Gen 4 x 4
PERFORMANCE	Sequential Read up to 7200MB/s Sequential Write up to 6500MB/s 4K Random Read up to 1000K IOPS 4K Random Write up to 1000K IOPS
PRODUCT WEIGHT	14 g
WARRANTY	3 Years
TAA COMPLIANCE	Yes
COMPATIBILITY	Windows and Linux

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.

KANGURU™
by iStorage®