Quintessence Labs

SPECIFICATIONS

qProtect™

Unbeatable security for data in uncontrolled environments

Configuration	**Virtual Zeroization Storage Devices** • Standard form factor: 8GByte microSD Card Other device types available on request • Storage densities from 8 to 256GByte Higher densities available on request
Automatic Key Destruction (Zeroization)	• The one-time pad key on the device is automatically destroyed during encryption • Removes need for manual data destruction or additional zeroization steps • Data remains accessible to authorized users for decryption in a secure location
Key & Policy Management	Administered via qCrypt products; abridged specifications below. Please see qCrypt data sheets for more details.
Replication	• Secure replication of policies and managed cryptographic objects — up to 16 nodes per replication group • Synchronous and asynchronous replication
Operations	• FIPS 140-2 Level 3 cryptographic module • Granular, hierarchical and auditable access control • Thousands of end-client systems per node, 8,000 key requests/minute per node • Attended or unattended secure startup
Standards & Interoperability	• OASIS KMIP: Conformant with standards 1.0/1.1/1.2/1.3/1.4/2.0 • Basic and advanced KMIP profiles • Fully implements all requirements in NIST SP800-57 Part 1 • Common Criteria EAL 2 • PKCS#11 supported via qClient SDK
Implementation	• Delivered with qClient SDK, a software development kit adhering to the OASIS Key Management Interoperability Protocol (KMIP). Please see qClient data sheets for more details.

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