Seos 8K Key Fob

Operating Frequency - 13.56 MHz

Communication Protocol Compliance - ISO14443A-4

Communication Speed - Up to 848kbps

Memory Type - EEPROM

Memory Size - 8 Kbytes

Multiple Applications Support - Yes (using Open Data Profile)

SIO Data Object Support - Yes (Enabled by default)

HID Format Support - Yes (wrapped in SIO)

Write Endurance / Data Retention - Min 100,000 cycles / 10 years

Typical Transaction Time - Data size dependent

Extended Privacy Support - Yes

Security Features - Mutual authentication (compliant to ISO/IEC 24727-3), key diversification (based on NIST SP800-108 using AES

128), secure messaging (compliant to EN14890-1:2009). Session key derivation based on NIST SP 800-56A.

Security Certification - Common Criteria (CC) EAL 5+ HW certified platform

UID - Random UID (default), 7 byte static UID (optional, not recommended)

COMPATIBILITY AND PERFORMANCE\*1

1 HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read

range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces. Spacers for

iCLASS SE readers are available at hidglobal.com.

2 multiCLASS SE readers are not supported

3 See Logical Access HTOG for Seos compatible Omnikey products

4 Read performance is dependent on antenna design and environment