PHYSICAL ACCESS CONTROL SOLUTIONS





DIMENSIONS



HIGH DURABILITY SLOT-PUNCHED CONTACTLESS SMART CARD Base Part Number: 565

- Highly secure Seos is Secure Identity Object (SIO)-enabled, allowing for multilayered security beyond the card technology and protecting identity data from unauthorized access.
- Certified Based on Common Criteria (CC) EAL 5+ hardware platform, ensuring a clear chain of evidence that the platform's security attributes have been rigorously tested and independently verified.
- **High durability** All the power of Seos technology packed into a robust ABS shell construction that provides protection in harsh environments.
- Slot-punched Simply attach to a lanyard with ease for swift deployment, no plastic cardholders needed.
- Multi-application Part of the iCLASS SE platform, an open and standards-based solution that supports data storage for multiple applications beyond traditional access control such as secure printing, time and attendance, cashless vending and biometric templates.
- **Heightened privacy protection** Seos offers best-in-class data and privacy protection by incorporating mutual authentication and secure messaging mechanisms into stringent best practices for data protection.

HID Global's Seos® Clamshell is a highly durable credential that delivers the same level of security as a smart card while featuring a slot punch to enable convenient deployment.

The Seos® Clamshell is powered by Seos credential technology, which provides enhanced security, privacy protections, and functionality. Additional features enabled through advanced Seos technology include secure access via mobile devices and the ability to efficiently manage multiple applications.

Seos Programming Options

- Secure Identity Object (SIO) – compatible with HID programming formats
- Field encoder ready "V option" encode using CP1000D SE Encoder

Ordering Information

For full details, refer to the <u>Readers</u> and <u>Credentials How to Order Guide</u>

hidglobal.com



SPECIFICATIONS

13.56 MHz ISO14443A-4 Up to 848kbps EEPROM 8 Kbytes Yes (using Open Data Profile) Yes (enabled by default) Yes (enabled by default) Yes (Wrapped in SIO) Min. 500,000 cycles / 10 years Data size dependent Yes Mutual authentication (compliant to ISO/IEC 24727-3), key diversification (based on NIST P800-108 using AES 128), secure messaging (compliant to EN14890-1:2009). Session key erivation based on NIST SP 800-56A. Common Criteria (CC) EAL 5+ HW certified platform 0.17 oz (5 g) Random UID (default), 7 byte static UID (optional, not recommended)
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Random UID (default), 7 byte static UID (optional. not recommended)
Compatibility & Performance ¹
Up to 2" (5 cm)
Up to 1.6" (4 cm)
Read/ Write (SIO) / R/W to custom ADF
Template R/W up to 1.2" (3 cm)
Template R/W up to 1.2" (3 cm)
Read SIO and R/W to Open Data or custom ADF
Read SIO and R/W to Open Data or custom ADF
Mechanical, Environmental and Compliance
Ultrasonically welded ABS shell with matt PVC label
0.24 oz (6.8g)
-13° F to 185° F (-25 °C to + 85 °C)
-13° F to 185° F (-25 °C to + 85 °C) for 1000h
-31° F to 185° F (-35 °C to + 85 °C) 100 cycles (soaking time 5 min, transition time 30 s)
e card can withstand exposure salt water (5%) salt mist, acetic acid water (5%), carbonate sodium water (5%), sugared water (10%), ethylene glycol (50%) for at least 24 hours
ISO14443A-4, ISO/IEC 24727-3:2008, EN 14890-1:200
RoHS, China RoHS, REACH, Halogen Free
Lifetime Warranty

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 See Logical Access HTOG for Seos compatible Omnikey products

3 Read performance is dependent on antenna design and environment



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