

Crescendo® C2300

HIGH ASSURANCE MULTI-PROTOCOL (FIDO, OATH, PKI, SEOS®) AUTHENTICATION SMART CARDS FOR PHYSICAL AND LOGICAL ACCESS

Crescendo C2300 is the next generation of HID smart card credentials to provide secure authentication for access to IT applications with the ability to integrate existing physical access technologies, thus creating a unified enterprise badge.



Crescendo C2300 provides organizations with seamless and secure employee authentication, ensuring that only authorized people can access sensitive information. The solution includes:

- The Crescendo family of authenticators including smart cards and security keys (USB-A and USB-C)
- A unified cloud management service - HID WorkforceID Digital Credential Manager - that can combine different devices, configurations and user groups into a unique administrator experience
- A unified authentication back end that allows the use of different protocols for various use cases, with consistent rules and audit management

CRESCENDO CARDS SUPPORT:

FIDO – This emerging standard removes passwords from the Web, eliminating one of the major causes of breaches and security incidents. FIDO is the backbone of Microsoft Windows Hello Security Key, protecting access to Windows and Azure Active Directory.

OATH – This standard is widely used for VPN authentication to facilitate the transition from point solutions to a flexible platform for user authentication and trusted transactions.

PKI: Leveraging digital certificates and public key cryptography following the PIN standard, this technology is natively supported by Windows, macOS and Linux. It can be used for authentication, digital signature and encryption key protection.

Physical Access Technologies – With the ability to embed technologies like iCLASS SE®, Seos, MIFARE®, DESFire®, and others, Crescendo products can be used as physical access badge. The security level and protection of the access credential depends on the specific combination of chosen PACS technology, reader and access control software.



KEY BENEFITS:

- **Converged Corporate Badge –** Use a single smart card as a photo ID for network, cloud authentication and physical access
- **High Assurance –** Align with the recommendations of NIST SP 800-63 Digital Identity Guidelines, using devices that allow you to reach Authenticator Assurance Level 3
- **Privacy and Data Security Ensured –** Adhere to regulations around trusted access to sensitive information such as GDPR, HIPAA, PCI-DSS, LBA, SOX, NERC-CIP and more
- **Future-Proof Multi-Protocol Standards Support –** Provide strong authentication by enabling the highest level of security standards such as FIDO, PKI, OATH and Seos

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MULTI-PROTOCOL::

- FIDO U2F and 2.0 – Securely accesses online and cloud services such as Azure Active Directory, G Suite or Dropbox Business without preinstalled software
- PKI – Utilizes defense grade authentication
- OATH – Leverages open universal authentication standard for One Time Password

BENEFITS:

- Flexibility to support HID WorkforceID™ Authentication service, DigitalPersona® and a variety of other third-party authentication solutions
- Can be used with HID's OMNIKEY® contact and contactless smart card readers, as well as a wide range of third-party NFC readers, to deliver a complete smart card-based security solution
- Compatible with public and private Certificate Authorities (CA), including HID's IdenTrust® CA, Microsoft CA and more

ADDITIONAL PRODUCT FEATURES:

- Made of durable composite PET/PVC plastic that enables high-quality printing with recommended HID Secure Issuance card printers
- Available as white cards or with customer specific artwork with advanced security features to prevent visual counterfeiting
- Uses a FIPS 140-2 certified and EAL 5+ evaluated cryptographic module in a separate tamper-resistant device with limited attack surface

CRESCENDO CONFIGURATIONS:

- Standard profile, ready to use with predefined configuration supporting FIDO and PIV, ready for standalone use or managed by WorkforceID Digital Credential Manager
- ActivID CMS profile, for issuance with HID management solution with different configurations available depending on specific customer needs

PHYSICAL ACCESS OPTIONS

- Dual interface C2300 cards support Seos with optional HID and Indala® Proximity
- Contactless C2300 cards also support iCLASS 32K

	C2300 Dual Interface	iCLASS C2300 Contactless Interface
Interface	ISO 7810 smart card size in Dual Interface configuration NFC up to 848kbps in the fastest ISO14443 transmission mode	ISO 7810 smart card size in contactless interface configuration NFC up to 848kbps in the fastest ISO14443 transmission mode
Security Services	Authentication FIDO2/WebAuthn and U2F PIV authentication - RSA 2048 and ECC p256 and ECC p384 Optional OATH HOTP and TOTP - SHA1 / SHA-256 / SHA-512 Signature PIV signature - RSA 2048 and ECC p256 and ECCp384 with X.509 certificates Optional OATH-OCRA Test Suites Encryption PIV Key Exchange - RSA 2048 and ECCp256 and ECC p384 with X.509 certificates Global Platform SCP03 with AES-128 data encryption	
Certification	FIDO2 certified product FIPS 140-2 Level 2 and Level 3	FIDO2 certified product
Physical Access	Seos HID or Indala Prox MIFARE DESFire EV1	Seos Indala Prox MIFARE DESFire EV1 iCLASS 32K
Misc	IP68 rated: dust tight and water submersible	



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