HID®

Crescendo® C2300 Series

Crescendo® C2300

HIGH ASSURANCE AUTHENTICATION SMART CARDS WITH DIGITAL SIGNATURE AND ENCRYPTION CAPABILITIES

- **Converged Corporate Badge –** Use a single smart card for visual identity, network, cloud authentication and physical access.

- **Seamless Compliance –** Adhere to regulations around trusted access to sensitive information in finance and healthcare such as GDPR, HIPAA, PCI-DSS, LBA, SOX, NERC-CIP and more.

- **High Assurance –** Align with the recommendations of NIST SP800-63 Digital Identity Guidelines, using devices that allow you to reach Authenticator Assurance Level 3.

- **Futureproof Standards Compliance –** Leverage native platform support for strong authentication options, using emerging and broadly adopted industry standards.

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
- PIV – Utilizes Defense grade authentication
- OATH – Leverages open universal authentication standard

BENEFITS:
- Is part of the HID High Assurance Certificate Authority and Authentication Solutions
- Works out of the box and capabilities can be extended with HID's offering
- Can be used with standard NFC and contact smart card reader

Crescendo® C2300 Series 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—creating a flexible platform for unified enterprise badges.

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

- Multiple authenticator options, including smart cards, USB tokens and virtual credentials in smartphones

- A unified cloud management system 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

Flexible Integration
Crescendo C2300 cards leverage HID's authenticator platform, enabling a single device that can be used in different modes depending on the platform and application requirements at the back end and the end-point.

Crescendo devices support:

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

PIV – Initially designed for employees of the United States Government, this standard protects digital certificates and private keys and is natively supported Windows, Mac OS and Linux. It can be used for authentication, digital signature and encryption key protection.

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.

ADDITIONAL PRODUCT FEATURES:
- Available in standard ISO 7810 smart card size in dual interface configuration
- 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
- Use a FIPS 140-2 certified and EAL 5+ evaluated cryptographic module in a separated 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 HID Credential Management Service
- ActivID® CMS profiles for enterprise and FIPS 201 PIV

PHYSICAL ACCESS OPTIONS
- Dual Interface C2300 cards support Seos® with optional HID and Indala® Prox

SPECIFICATIONS

Standard Configuration	
FIDO	5 resident keys, HMAC-extension, optional PIN protection, PIN shared with PIV application when card is managed by HID® Credential Management Service, Microsoft-compatible security key
ActivID CMS Profiles	
Enterprise	Same features as standard profile with shared PIN for PIV and FIDO
PIV/CIV	FIPS 201-compliant profile with all mandatory objects and 7 historical encryption keys
Cryptographic Algorithms	
Authentication	FIDO ECC p256, PIV signature RSA 2048 and ECC p256/p384, OATH HOTP and TOTP
Signature	PIV signature RSA 2048 and EC p256/p384 with X.509 certificates, OATH OCRA
Encryption	PIV key exchange RSA 2048 and EC p256/p384 with X.509 certificates
Contents management	AES-128 data encryption
Warranty and Certification	
Card body	5 years
Use	100,000 authentications
Certifications	FIPS 140-2, FIPS 201-2 and FIDO2 certifications in process, Microsoft-compatible security key

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