

HID® Crescendo® Key Series

Multi-protocol Security Key for Passwordless Authentication to Computers, Tablets and Mobile Applications

- **High Assurance** — Aligns with the recommendations of NIST Digital Identity Guidelines for devices to achieve Authenticator Assurance Level 3
- **Industry Standards** — Strong authentication options use broadly adopted industry standards and certifications
- **Ecosystem Support** — Compatible with all of HID's authentication and credential management solutions
- **Compliance** — Enables seamless compliance with data privacy and security regulations such as GDPR, CCPA, HIPAA, PSD2, PCI-DSS, GLBA, SOX and NERC-CIP

The Crescendo Key Series introduces new form factors and capabilities to enable strong passwordless authentication — bringing together high standards, excellent user experience and various compliance capabilities into one device that is field-upgradeable for new features. Thanks to its convenient USB interface, workstations and laptops do not require additional readers, resulting in significantly reduced IT operational costs.

The Crescendo Key Series utilizes Near Field Communication (NFC) and USB-A or USB-C ports with the same two-factor authentication, digital signing and data encryption capabilities of a smart card. The security keys leverage HID's

authentication solutions to provide organizations flexibility and enhanced security in the form of:

- A wide variety of authenticator options (security key, smart card, mobile app and more)
- A unified cloud and on-premise authentication and credential management system with a powerful yet simplified administrator experience
- PKI certificates, FIDO U2F, FIDO2 and OATH industry standards and the ability to handle a global PIN for all applications

MFA ECOSYSTEM

The Crescendo Key Series is a key element of HID Global's versatile multi-factor authentication portfolio that delivers end-to-end lifecycle management of strong authentication credentials as well as globally trusted digital certificates for use in data encryption and the digital signature of email and documents.



KEY BENEFITS:

- **Supports a Broad Range of Use Cases** — Allows FIDO2, PKI and OATH based multi-factor authentication for secure access to computer, network, cloud, data encryption, digital signature and more
- **Easy and Convenient to Use** — Passwordless authentication and secure log-in can be as easy as tapping a card, but without the need for additional reader hardware
- **Easy to Manage** — Issue and manage the credential lifecycle from a single platform

TECHNOLOGY FEATURES:

- The security of a smart card combined with a built-in USB reader
- Self-powered (battery-free)
- NFC for mobile device and contactless card reader

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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 (OTP)

CRESCENDO ECOSYSTEM BENEFITS






- Flexible and compatible with Authentication Platform, DigitalPersona® and a variety of other third-party authentication solutions
- Compatible with public and private Certificate Authorities (CA), including HID's IdenTrust® CA, Microsoft CA and more

BASE SIM CARD CONFIGURATION – CRESCENDO® 2300 SERIES

- Standalone profile, ready to use with predefined configuration supporting FIDO, PKI and OATH (without additional software)
- Secure managed profile via the Credential Management System for enterprise use or FIPS 201 PIV configurations

SUPPORTED USAGE SCENARIOS

- **WebAuthn authentication:** Web applications connect to modern operating systems including Windows and Android
- **Windows Security Key Logon:** Streamline workflow by joining workstations to Microsoft Entra domain
- **Windows Smart Card Logon:** Increase the security of Windows with two-factor authentication to log on and unlock a Windows session
- **Email encryption and document signing:** Protect communications against tampering and ensure the origin and authenticity of documents
- **File and disk encryption:** Protect data at rest with Windows EFS and other encryption products

Base Model Number	BKx100P100 – Managed Profile – 100 UNITS BKx106P100 – Standalone Profile FIDO/PKI – 100 UNITS BKx107P100 – Standalone Profile Full PKI – 100 UNITS BKx1F0P100 – Standalone Profile FIPS – 100 UNITS Where x: A=USB-A, x: N=USB-C. E.g: BKA100P100 – USB TYPE-A Managed Profile – 100 UNITS
INTERFACES	
USB	USB powered device USB 2.0 Full-Speed
NFC	Up to 848Kbps in the fastest ISO14443 transmission mode
HUMAN INTERFACE	
LED	Bi-color indicator shows the status of the device and aids in diagnostic troubleshooting
Human Validation	Single button for user proof of presence
Device Types	HID Keyboard CCID Smart Card FIDO HID Device
SECURITY SERVICES	
HID Authenticator Platform	Universal 2nd Factor (U2F), FIDO2, OATH-HOTP (event) or TOTP (time) and OCRA test suites Smart card PIV and PKI compliant Minidriver available on Windows
HOUSING	
Dimension	TYPE-A : 0.9 x 0.6 x 0.4 ft (23 x 16 x 10 mm) TYPE-C : 0.9 x 0.4 x 0.2 ft (28 x 13 x 7 mm)
Weight	0.17 oz (5 g)
OPERATING SYSTEM	
Mobile Phone OS	Android 9 or later, iOS 14 or later
Client PC	Microsoft Windows 10 1903 or later, macOS 14 or later
COMPLIANCE AND REGULATORY	
Regional Certifications	CE, FCC
Environmental	WEEE, ROHS, Reach
Certifications	FIDO2 Certified Achieved FIPS 140-2, Level 2 security certification for the Crescendo platform Microsoft-compatible security key
Industry Standards	    
Warranty	One-year manufacturer's warranty
Options	Customer-specific logo available upon request



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2024-01-30-iams-crescendo-key-ds-en PLT-04380

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