



HID[®] Crescendo[®] Key

Multi-Protocol Security Key for Computers, Tablets and Mobile Applications

MULTI-PROTOCOL:

- **FIDO U2F and 2.0** – Securely accesses online and cloud services such as 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
- Includes a field-upgradeable hardware device for new features
- Provides NFC and USB capabilities

- **High Assurance** – Aligns with the recommendations of NIST Digital Identity Guidelines and devices to achieve Authenticator Assurance Level 3.
- **Easy and Convenient** – All-in-one trusted key for mobile workforce securely accesses data, network, online apps and cloud resources.
- **Industry Standards** – Strong authentication options use broadly adopted industry standards and certification.
- **Ecosystem Support** – Leverages HID’s authenticator platform used by all new HID Crescendo authenticators.
- **Compliance** – Enables seamless compliance with data privacy and security regulations such as GDPR, CCPA, HIPAA, PSD2, PCI-DSS, GLBA, SOX and NERC-CIP.

Crescendo[®] Key brings new form factors and capabilities to enable seamless and trusted authentication. This hardware authenticator provides strong security—utilizing Near Field Communications (NFC) and USB-A ports with the same two-factor authentication, digital and encryption capabilities of a smart card.

The Crescendo Key small footprint is particularly convenient when used with tablets and ultrabooks since it is nearly flush with the device casing.

Thanks to its convenient USB interface, workstations and laptops do not require additional readers, so IT operational costs are reduced.

The Crescendo Key Series is a platform for strong authentication apps, so it creates a tool that is more valuable than the sum of its parts by bringing together high standards, excellent user experience, and various compliance capabilities into one device.

Crescendo Key applications leverage HID’s authenticator platform, common to almost all new HID Global authenticators. This architecture provides organizations flexibility and enhanced security in the form of:

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

The device is part of the HID High Assurance solution 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.

TECHNOLOGY FEATURES:

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

Base SIM Card configuration—Crescendo® C2300 Series

- Standard profile, ready to use with predefined configuration supporting FIDO, PKI and OATH (without additional software) or HID Credential Management Service
- ActiviD® CMS profiles 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 Azure Active Directory domain
- Windows Smart Card Logon: Increase the security of Windows with two-factor authentication to log on and unlock a Windows session
- Email digital signature and encryption: Protect communications against tampering
- Microsoft Office and Adobe Acrobat document signing: Ensure that documents have not been modified and that they originate from a specific source
- File and disk encryption: Protect data at rest with Windows EFS and other encryption products

SPECIFICATIONS

Base Model Number	BKA106P100 - USB TYPE-A - Standard Profile - 100 UNITS
Interfaces	
USB	USB-A Bus 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	0.9 x 0.6 x 0.4 ft (23 x 16 x 10 mm)
Weight	0.17 oz (5 g)
Operating System	
Mobile Phone OS	Android™ 7.0 or later
Client PC	Microsoft Windows, macOS X, Linux on major browsers
Compliance and Regulatory	
Regional Certifications	CE, FCC, UL
Environmental	WEEE, ROHS, Reach
Certifications	FIPS 140-2 and FIDO2 certifications in process, Microsoft-compatible security key
Industry Standards	
Warranty	One-year manufacturer's warranty
Options	Customer-specific logo and colors available upon request



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