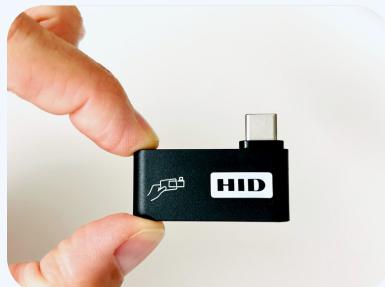# Crescendo® NFC Reader

Contactless authentication for laptops, tablets and mobile apps

Designed for seamless authentication on-the-go, the Crescendo NFC Reader is the ultimate compact RFID reader — ideal for use with Crescendo devices. Its small and lightweight design makes it ideal for professionals on the go — easily fitting in a pocket or bag. The credential reader's high portability facilitates secure authentication anywhere, anytime.

Intentionally engineered for diverse environments, the Crescendo NFC Reader supports field workforces across various verticals, including healthcare, law enforcement, first response, retail and logistics. Plug-and-play functionality enables quick and easy setup, while its cable-free design provides a convenient, hassle-free experience. This versatile reader offers multi-device compatibility — working effortlessly with smartphones, tablets and laptops using a USB-C interface. The Crescendo NFC Reader also supports various operating systems.

Supports FIDO2 and PKI based contactless devices for enhanced security against phishing and credential theft.

The Crescendo NFC Reader is part of the **Crescendo** product line, which includes smart cards and security keys.

KEY BENEFITS:

- **Optimized for Crescendo —** Plug-and-play compatibility with Crescendo FIDO and PKI over NFC.

- **Portable & convenient —** Lightweight and ultra-compact design for secure on-the-go authentication

- **Flexible for various environments —** Ideal for remote work or travel where employees need secure access

- **FIDO2 and PKI support —** Allows secure, passwordless authentication leveraging public key cryptography to prevent phishing and credential theft

- **Dual-orientation USB-C position —** Allows the reader to be inserted in either direction, ensuring nearby ports remain accessible and the LED remains visible

- **Optimized** low power consumption

Ultra-thin and lightweight design

USB-C connector on the edge to keep other ports available when the reader is in use.

HID

PRODUCT FEATURES:

- **Credential Support**
  - **FIDO2 Security Keys:** Works with NFC-enabled FIDO2 tokens, like the Crescendo Keys
  - **X.509 Certificates:** Supports smart cards storing digital certificates for PKI use cases, like the Crescendo Cards
  - **ISO 14443 cards*** for HID Microsoft Entra ID External Authentication Method
  - **ISO 14443 cards** for DigitalPersona

- **CCID Compliant —** Plug-and-play with native OS drivers (Windows, macOS, Linux)
- **Certification —** USB Type-C®, CE, RED, FCC, IC, UL, UKCA

13.56MHz HF Smart Card Reader With CCID

Base part number	RDU55211B-00-00000
Dimensions	40.8 x 17.8 x 8.0mm (1.6" x 0.69" x 0.31")
Weight	5 g (0.18 oz)
Operating voltage	5.0V +- 0.2V self-powered via USB-C connector
Storage temperature	-20 - +80°C (-4°F - +176°F)
Operating Temperature	-20 - +60°C (-4°F - +140°F)
Operating humidity	10 - 90% non-condensing
	FIDO2 AUTHENTICATORS
Protocol & Cards HF	HID Crescendo or other NFC credentials using standard FIDO2 or PIV
	HOST INTERFACE
USB interface	Full speed 12 Mbps; CCID; USB-CDC
Connector	USB-C
Operating system	Windows 10, 11; macOS 14 and above; Android 12 and above
	HUMAN INTERFACE
Indicator	RGB LED
	HOUSING
Housing	ABS black color RAL 9005, Pantone silver 10077C, finish: VDI 3400
	COMPLIANCE & REGULATORY
Certification	USB-IF
Regional certifications	CE, RED, FCC, IC, UL, UKCA
Environmental	RoHS3, WEEE, REACH
	ORDERING INFORMATION
Warranty	2 years

*Does not read HID SIO's