

High-Performance Desktop HID Card Reader

The Akuvox ACR-CID11 is a high-performance desktop card issuer and reader designed for efficient card encoding and identification. Featuring a USB Type-C interface and advanced firmware, it supports a wide range of RFID and NFC technologies, including HID iCLASS®, HID Seos®, MIFARE®, NFC, and other industry-standard smart cards. With support for ISO/IEC 14443 Type A/B, ISO/IEC 15693, and ISO/IEC 18092, it provides excellent compatibility for access control, time attendance, visitor management, and other security applications.

At a Glance

- **HID Card Compatibility** – Supports HID iCLASS® and HID Seos® credential encoding.
- **Multi-Format Support** – Supports both 125 kHz and 13.56 MHz RFID technologies, including NFC.
- **USB Plug-and-Play** – Simple setup with no additional driver installation required.
- **Standards Compliant** – Supports ISO/IEC 14443 Type A/B, ISO/IEC 15693, and ISO/IEC 18092.



Electrical Specifications

- Power Supply: 5V DC via USB
- USB Interface: USB Type-A
- Communication Mode: USB Plug-and-Play
- Current Consumption: 300 mA maximum

Environmental Specifications

- Operating Temperature: -20°C to +60°C
- Operating Humidity: 20% to 80% RH, non-condensing
- Storage Temperature: -40°C to +80°C
- Environmental Compliance: RoHS, REACH

Technical Specifications

- Supported Frequencies (RFID/NFC):
13.56 MHz (HF), 125 kHz (LF) (See the table below for details)
- Card Reading Distance: 0 to 3 cm
- Operating Systems: Windows 10 or later
- Configuration Tool: Akuvox ACRM Tool

Mechanical Specifications

- Dimensions: 94 × 94 × 79 mm (L × W × H, ±0.3 mm)
- Weight: Approximately 184 g
- Housing Material: Plastic
- Mounting Method: Desktop Placement

13.56 MHz (High Frequency - HF)

Protocol	Card Type	Access Type
ISO/IEC 14443 Type A	MIFARE Classic / Mini	● UID Reading + Encoding
	MIFARE Classic EV1	● UID Reading + Encoding
	MIFARE DESFire Light	● UID Reading + Encoding
	MIFARE DESFire EV1 / EV2 / EV3	● UID Reading + Encoding
	MIFARE PLUS S, X	● UID Reading + Encoding
	MIFARE Smart MX	○ UID Reading Only
	MIFARE Ultralight / C / EV1	○ UID Reading Only
	NTAG 2xx	○ UID Reading Only
ISO/IEC 14443 Type B	HID iCLASS Seos	● UID Reading + Encoding
	CPU Card	○ UID Reading Only
	National ID Card	○ UID Reading Only
ISO/IEC 18092	EZ-Link	○ UID Reading Only
	NFC Forum Tag Types 1, 2, 4, 5	○ UID Reading Only
ISO/IEC 15693	FeliCa	○ UID Reading Only
	HID iCLASS	● UID Reading + Encoding
	ICODE ELI	○ UID Reading Only

125 kHz (Low Frequency - LF)

Protocol	Card Type	Access Type
Proprietary	CASI-RUSCO	○ UID Reading Only
	EM4100/4102/4200/4305/4450	○ UID Reading Only
	HID DuoProx II (1336)	○ UID Reading Only
	HID ISO Prox II (1386)	○ UID Reading Only
	HID Micro Prox (1391)	○ UID Reading Only
	HID ProxKey III (1346)	○ UID Reading Only
	HID Prox	○ UID Reading Only
	HID Prox II (1326)	○ UID Reading Only
		○ UID Reading Only