TOKEN2 Sàrl
Geneva, Switzerland
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Token2 Desktop USB Contact IC Chip Reader

Part no: ChipReader · T2-117

Description

Reliable stationary smart card reader for secure contact chip card operations. The Token2 Desktop USB Contact IC Chip Reader is a robust, full-size smart card reader built for comfortable, frequent use at workstations, offices, and service counters. With its stable angled design and extended cable, it provides reliable reading of contact-based smart cards in authentication, banking, government ID, and enterprise security applications.

FIDO2 over ISO 7816 (Contact IC Cards – Windows Only)

Unlike USB keys (touch the sensor) or NFC cards (tap), contact IC cards used via a smart card reader need to be removed and reinserted to complete authentication. FIDO2 over ISO 7816 has been implemented on Windows only; other operating systems are not fully supported, and we do not recommend using this device with anything other than *Windows 11*.

Unlike USB and NFC transports, ISO 7816 is also not supported by libfido2 or fido2-manage tools. Device management must be performed using the Token2 Companion App.

Specifications

Specification	Details
Product Name	Token2 Desktop USB Contact IC Chip Reader
Interface	USB 2.0 (Type-A connector)
Dimensions	8.5 cm × 6.5 cm × 1 cm
Cable Length	90 cm

Card Slot	Full-size contact smart card slot (ISO/IEC 7816 compliant)
Supported Cards	Contact smart cards with visible IC chip (EMV bank cards, national ID cards, eID, government credentials, corporate access cards, etc.)
Unsupported Cards	Contactless (NFC/RFID), pure magnetic stripe, or memory cards without microprocessor
Power Supply	Bus-powered via USB (no external adapter required)
Housing	Durable black ABS plastic with ergonomic raised card insertion slot
Operating Temperature	0°C to 60°C

Compatibility

Operating Systems: Windows only – plug-and-play with native Microsoft drivers.

Compatible with Windows 7, 8, 8.1, 10, 11 (32-bit & 64-bit) and Windows Server editions.

Not compatible with macOS, Linux, Android, iOS, ChromeOS or any non-Windows operating system.

This desktop model is designed for stationary use and offers improved handling compared to mini/compact readers. It reads only contact-based smart cards with an embedded microprocessor chip.

Cards must have visible gold contacts to function correctly.

The device is provided by a third party, but Token2 has completed the test and guarantees compatibility with its products (the product and operating system limitations apply as described on the product page).

Specifications

GENERAL	
Form factor	Desktop reader
Interface	USB-C, NFC, SmartCard
CONNECTIVITY	
USB-A	No
USB-C	Yes
NFC	Yes
Lightning	No
Smart card	Yes