**TOKEN2 Sàrl**
Geneva, Switzerland
www.token2.com

# Pluss-ID Compact USB-A Contact IC Chip Reader

Part no: ChipReaderCompact · T2-118






## Description

Modern professionals need security tools that travel with them.

- **Compact enough** to stay on a laptop or keyring full-time
- **Durable enough** for daily travel and hybrid work
- **Simple to deploy**, with no extra cables, hubs, or batteries

This is exactly the gap **Pluss-ID** was built to fill: transforming the traditional “cable-and-brick” smart card reader into a **pocket-sized companion for mobile professionals**.

Reliable compact smart card reader for secure contact chip card operations.

The **Compact USB-A Contact IC Chip Reader** is designed for dependable, frequent use in offices, service counters, and professional workstations. It provides stable and secure communication with contact-based smart cards used in authentication systems, banking, government ID solutions, and enterprise security environments.

**Notice:** This product is **not manufactured by Token2**. It is sourced from a trusted partner, tested with our cards, and offered through our catalogue to complement our authentication solutions.

## Specifications

| Specification | Details |
|---|---|
| Dimensions | 57 mm × 12.56 mm × 7.7 mm |
| Weight | 5 g |
| Power Supply | 5V DC with integrated 3.3V regulator |
| Operating Temperature | 0°C – 70°C |
| Operating Humidity | 20% – 95% |
| Host Interface | USB 2.0 CCID (USB 1.1 compatible) / Serial (RS232 / TTL) |
| Transmission Speed | USB: 12 Mbps (Full Speed)<br>Serial: up to 115,200 kbps |
| Supported Standards | ISO 7816, EMV 2000 Level 1 |
| Protocols | T=0, T=1, 2-wire SLE 4432/42 (S=10), 3-wire SLE 4418/28 (S=9), I²C (S=8) |
| Smart Card Interface Speed | Up to 420 Kbps (card dependent) |
| Smart Card Clock | Up to 8 MHz |
| Supported Card Types | ISO 7816 Class A (5V), Class B (3V), Class C (1.8V) |
| Card Format | ID-1 full-size smart cards |
| Card Thickness | 0.76 mm ± 0.08 mm |
| Smart Card Power | Up to 60 mA |
| Power Consumption | 100 mA max, with short-circuit protection |
| Contact Resistance | 0.5 Ω max between contact lines |
| Ripple | 100 mVp-p max |
| Card Detection | Automatic card type detection, movement detection with auto power-off, short-circuit and thermal protection |
| 8-Pin Handling | C4 / C8 supported |
| Supported APIs | PC/SC (2.01 ready), CT-API, Synchronous-API, OCF, I²C |
| Status Indicator | 1 × White LED |
| Compliance | Microsoft WHQL, EMV 2000 Level 1, ISO 7816, USB 2.0 CCID, FCC, CE, RoHS |
| Material | ABS / PC |
| Color | Matte black |
| Durability | 100,000+ card insertions |

| Specification | Details |
|---|---|
| Warranty | Two-year manufacturer warranty |
| Origin | Estonia |

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

Unlike USB security keys (touch the sensor) or NFC cards (tap), contact IC cards used via a smart card reader must be removed and reinserted to complete authentication.

FIDO2 support over ISO 7816 contact interfaces is currently implemented on **Windows only**. Other operating systems do not provide full compatibility, therefore we recommend using this device with *Windows 11* environments.

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ISO 7816 transports are also not supported by common FIDO tools such as `libfido2` or `fido2-manage`. Device provisioning and management must be performed using the Token2 Companion App.

#### 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.

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*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-A, NFC, SmartCard |
| **CONNECTIVITY** | |
| USB-A | Yes |
| USB-C | No |
| NFC | Yes |
| Lightning | No |

| | |
|---|---|
| Smart card | Yes |