

## 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), I <sup>2</sup> C (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, I <sup>2</sup> C                                          |
| 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.



*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                   |
| NFC          | Yes                   |
| Smart card   | Yes                   |