TOKEN2 Sàrl
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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) 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.

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
USB-C	No
NFC	Yes
Lightning	No

Smart card	Yes