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# mToken K1 – 2FA HID Plug-and-Play USB authenticator

**Brand:** Smartjac Industries Inc  
**Product Code:** SMALM100003



## Short Description

mToken K1 is a new generation USB PKI token integrated with high level smart card security chip. Its on-board SHA1 and 3DES algorithms leverage for two-factor authentication (2FA) based on challenge response mechanism. mToken K1 also supports bi-directional security data transfer between browser client and Web server back-end.

## Description

**Other key features of mToken K1 include:**

Support for multiple OSmToken\_k1

Support for multi-vendor browsers

Support for cross-platforms applications

The mToken K1 offers a wide range of applications across B/S systems, and is suitable for web logon application authentication, online gaming identity authentication, OA system, e-Government, e-Commerce and digital signature stamping.

In addition, mToken K1 can be applied in PKI system without the need digital certificates. It is therefore a perfect solution for enterprise and government users in-need of a higher authentication solution than traditional “Username and Password” model.

## **Product Features**

High security level hardware

Good usability – easy to apply and operate

Strong two-factor authentication (2FA)

Anti-phishing

Support for multiple browsers

Support for cross-platform Web servers

Support for multiple OS and multiple programming languages

## **Technical Specifications**

Power Supply: USB interface

Working Voltage: 5V (USB interface)

Working Current: 80-150mA

Working Temperature: -10 ? 70°C

Storage Temperature: -20 ? 85°C

Communication Protocols: HID/USB Mass Storage

Interface Type: USB 1.1 /USB 2.0 /USB 3.0

Processor: 32-bit smart card chip

Built-in security algorithms: DES, 3DES, AES128/192/256,  
SHA1/SHA256/SHA384/SHA512

Storage supporting: 16K

CD-ROM Storage supporting: 2M (Optional)

Data storage period of validity: 10 Years at least

## **Supported OS**

Windows

Linux

MAC OS

## **Usage and Case Study**

Web Logon, Online Game User Identity Authentication, OA System, e-Government, e-Commerce and Digital Signature Stamping