Product Specifications & Technical Details

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T2KEN

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Product Details

Molto-2-v2 Multi-profile TOTP Programmable hardware token

A revised version of our popular multi-profile USB-programmable TOTP hardware token that can now hold up to *100 TOTP accounts*. The profiles can be provisioned/configured via USB using one of our [Molto-2 USB Config tools](). Molto-2-v2 also has additional features such as OTP shown as a QR image and HID/Keyboard emulation feature.

◼ RFC 6238 compliant

◼ supports up to 100 accounts/profiles

◼ USB-programmable with the USB Config tool

◼ USB keyboard emulation (USB cable included)

◼ Two display modes: with one TOTP profile per screen and with five TOTP profiles per screen

◼ RTC battery life: 8 years

◼ LCD screen battery: 3-4 months (rechargeable)

◼ Designed, engineered and programmed in Switzerland

Specifications

Dimensions	74x53x12.9 mm

TOTP Profiles	up to 100
Programmable	via USB, Windows app or cross-platform Python script
Time sync	Yes[1]
Time step	30 or 60 seconds
Hash algorithm	SHA1 or SHA256
Protection	• Configuration password • Screen security lock feature (*v2.1 or newer*)
OTP Length	4, 6, 8 or 10 digits
OTP Entry	Manual, HID-emulation[2] or by scanning QR code[3] (in Mode1 only)

[1] - Time synchronization is performed using one of the USB configuration tools. The expected time drift is between 1 and 30 seconds per year (depending on ambient temperature), and a periodic sync of the system clock may be required (i.e., every 1 or 2 years, depending on the drift tolerance of the authentication system).

[2] - HID functionality will allow sending the current OTP via keyboard emulation when connected over USB. Instead of entering the OTP manually, pressing the 'M' button is sufficient.
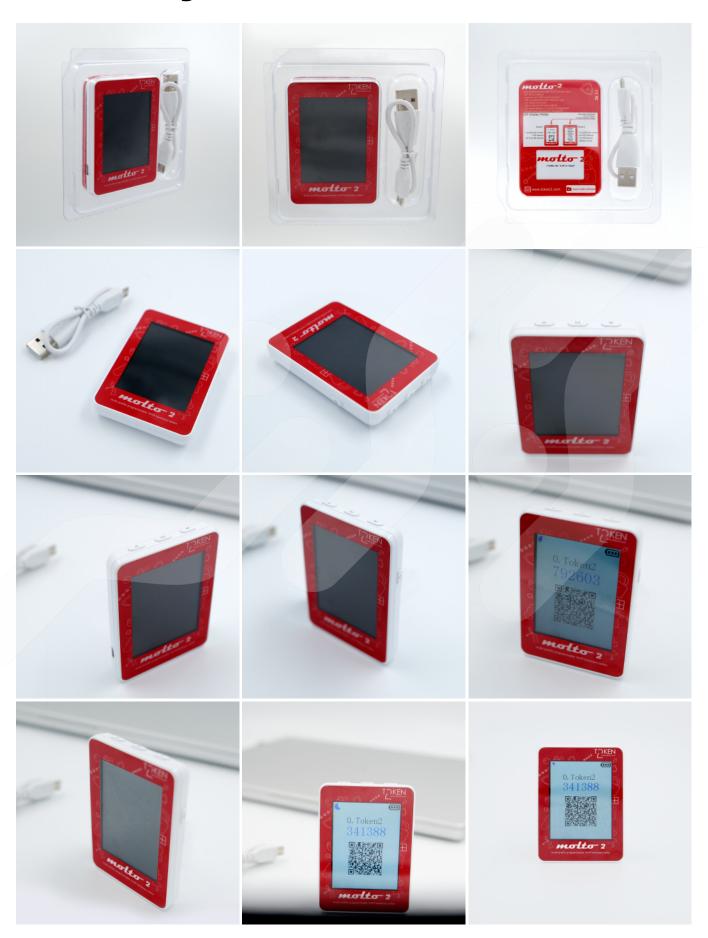
[3] - The current OTP will be displayed as a QR image. This is useful when automating OTP entry on a different system (e.g., a mobile app) to avoid typing errors. An example where this is particularly useful is EVV (Electronic Visit Verification).

Migrate from mobile apps

Token2 programmable hardware tokens can be used as drop-in replacement of TOTP mobile apps. Token2 has developed solutions to migrate from apps like Google Authenticator and Authy to any of our hardware tokens (or mobile apps).

Functionality overview

The micro-USB ports used in Molto2 devices are known to be more fragile (as they are PCB surface mounted), therefore, when unplugging the cable from the port, it is recommended to hold the device and pull the cable only in the direction illustrated below, firmly holding the micro-USB connector head. Unplugging the cable otherwise may damage the port or the PCB. For better protection, we recommend using a [magnetic adapter](#).

Product Images

Summary

Model Number	Molto-2 v2
Form-factor	Cuboid with a TFT Screen
Functions	TOTP *configurable*
Dimensions	74×53×12.9 mm
Weight	40 gr
Programmable	yes 100 profiles *config protection password* *HID/Keyboard emulation*
Product ID	T2-72

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Product page

https://www.token2.com/shop/product/molto-2-v2-multi-profile-totp-programmable-hardware-token

About Token2

Token2 is a cybersecurity company specialized in the area of multifactor authentication. Founded by a team of researchers and graduates from the University of Geneva with years of experience in the field of strong security and multifactor authentication, Token2 has invented, designed and developed various hardware and software solutions for user-friendly and secure authentication. Token2 is headquartered in Geneva, Switzerland

Token2 is a member of *FIDO Alliance* and *swiss made software* label

fido ALLIANCE | simpler stronger authentication

swiss made software

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