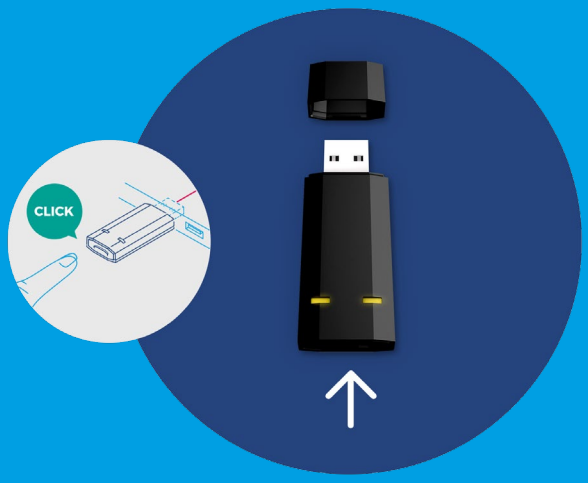
COMARCH tPro ECC

PRODUCT SHEET

COMARCH
Technologies

SMART CRYPTOGRAPHIC TOKEN WITH BUTTON

Comarch tPro ECC is a cryptographic USB device that performs digital signatures through the use of a dedicated push-button. OS agnostic, driverless and browser independent, it is an extremely user-friendly solution for secure authentication and authorization.



FEATURES & BENEFITS

- **Highly secure** – tPro ECC is equipped with an elliptic curve cryptographic (ECC) coprocessor, which provides instant key generation and secure digital signing. Advanced protection is provided by the push-button functionality, which drastically reduces remote attacks.
- **Universal access** – as a USB device that is recognized as a network card by the operating system, tPro ECC can be used on PCs with any operating system and web browser without the installation of any additional drivers or software on the client side.
- **Easy to deploy** – tPro ECC can be easily integrated into existing solutions through a JavaScript library (based on WebSocket API).
- **Easy to use** – once users insert the tPro ECC token into a USB port, they just need to press and release the built-in button to perform the digital signature.
- **Customizable** – the tPro ECC tokens are designed and manufactured by Comarch Technologies at its headquarters in Krakow, Poland, and can be customized with a customer's logo and other branding.

TECHNICAL SPECIFICATIONS

OPERATING SYSTEMS SUPPORTED
Windows 7, 8.1, 10
Linux Kernel 2.6.14 and higher
MAC OS X (versions from 10.6.8 to 10.10 with the HoRNDIS driver)

APIs
Device visible as a network card
It uses the WebSocket protocol with a TLS communication channel

HOST INTERFACE
Plug and Play
RNDIS (Remote Network Driver Interface Specification)
USB 2.0 full speed (12Mbps)

HUMAN INTERFACE
2 green LEDs (3 times blink: confirmation of successful operation)
2 red LEDs (blinking: waiting for press the built-in button)
Built-in button

ENVIRONMENTAL
CE and WEEE marking
Operating: -10˚C / +60˚C
Storage: -40˚C / +85˚C
RoHS and EMC compliant

ELECTROSTATIC DISCHARGE
+/- 8kV direct air discharge
+/- 2kV indirect contact discharge