

2-Factor-Authentication Our Contribution for You

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net

Secure Logon™ 2.0



- ✓ *Modern 2-Factor-Authentication even without PKI*
- ✓ *Quick and easy log-in to system*
- ✓ *Fast process authentication*
- ✓ *Easy integration – 1 to 1,000 workstations*

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The Challenge:

Because better methods of spying on usernames and passwords are constantly being developed, the classic form of logging in that depends solely on the password factor has not been sufficiently secure for quite some time. Typing errors when entering complex passwords cause considerable support effort because blocked accounts then need to be unblocked. Enormous amount of work is required in order to reach an adequately secure design for these log-in procedures that satisfies users as well as administrators.

The Solution:

The solution is a 2-factor-authentication system that provides user log-in using a combination of security tokens as the first factor with a PIN as the second factor. This allows parallel use of any type and quantity of hardware, such as smartcards, with no limits to the possible fields of application.

The very high level of security afforded by such authentication systems results from the condition that spying on a password is no longer sufficient to gain access. The attacker would also have to come into possession of the security token. The combination of the two factors "knowledge" (PIN/password) and "possession" (SecurityToken) so mark the advantage inherent to this solution.

The Product:

The Secure Logon™ 2.0 software developed by digitronic® provides the user with a high degree of security and ease-of-use through 2-factor-authentication in the log-in to the Windows-operating -system. It can be rolled out through software distribution and can be administrated by means of central group guidelines.

As a component of the software digitronic® supplies the Secure Logon™ 2.0 Credential Provider as a component for the operating system, which enables the desired 2-factor-authentication on the PC or remote-desktop with the security token and a PIN.

Authentication using the Secure Logon™ 2.0 Credential Provider can be made compulsory if necessary, i.e. the input of username and password by the user is not possible in this case. With its modern, clearly defined, multi-lingual user interface, Secure Logon™ 2.0 offers a simple option for providing users access to their work environment.

Scope of Service:

Secure Logon™ 2.0 provides the ease of securing access to all resources in a Windows environment of any size using only the security token and PIN. No complex Public-Key-Infrastructure is needed.

Additional identities can be stored on a security token and transferred to the target system without any additional software.

In spite of the decentralised and independent solution, the existing security guidelines are still observed. Time-limited password expiration and their prescribed complexity are supported in their full scope. Security is increased in that blocking or logging off the PC can be accomplished just by removing the security token.

The Token Engine, designed and developed exclusively for the 2-Factor-Authentication, is modular. Thanks to this, Secure Logon™ 2.0 establishes an extremely flexible architecture.

TECHNICAL DETAILS

operating systems:

Windows 7, 8, 8.1, 10

SecurityToken:

- digitronic® SecurityToken mit Java Card OS
- Mifare DESFire EV1
- some SecurityToken like IBM/NXP, Giesecke & Devrient, Gemalto, Oberthur or with operating systems like STARCOS, Multos, TCOS und CardOS on request or without support

standards:

PKCS #11, RFID nativ

card readers:

- reader with ISO/IEC 14443 like ReinerSCT cyberJack RFID basic, ReinerSCT cyberJack RFID Comfort, Cherry TC1300 and Identiv CLOUD 3700F
- modern card reader with contact

company profile:

digitronic® computersysteme gmbh, headquartered in Chemnitz, has been realising solutions in the fields of communication, IT-security and digital confidentiality since 1991. With a clear focus on reliability, customer-friendly service and functionality, our dynamic, highly-motivated team develops innovative solutions.

With the digitronic® All-In-One Compliance-Packages, all the audit requirements according to 2-factor-authentication and team encryption are fulfilled.

Our current research and development focuses, in close collaboration with our major customers, on mobile, platform-independent confidentiality as a proof for non-manipulated image information and sensitive control processes in the environment of Industry 4.0. Digitronic is a member of the federal IT Security Association Germany e.V. and holds the label "IT Security made in Germany".

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